## About the Credential Engine

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Credential Engine (CE)

Description:

Credential Engine is a non-profit whose mission is to map the credential landscape with clear and consistent information, fueling the creation of resources that empower people to find the pathways that are best for them.

Stakeholder(s):

Credential Transparency Initiative:
Credential Engine grew out of the Credential Transparency Initiative (CTI), which began in 2013. CTI’s mission was to research and initiate the development of a centralized registry of credential information, a common credentialing language, and a credential search engine. This effort was led by the George Washington University’s Institute of Public Policy (GWIPP), Workcred – an affiliate of the American National Standards Institute, and Southern Illinois University (SIU) Carbondale’s Center for Workforce Development with support from the Lumina Foundation. Among others, the original research team included Fmr. Assistant Secretary of Labor Bob Jones, Dr. Bob Sheets, Dr. Steve Crawford, and Dr. Roy Swift.

Institute of Public Policy:
George Washington University

Workcred:
American National Standards Institute

Center for Workforce Development:
Southern Illinois University (SIU) Carbondale

Bob Jones:
Fmr. Assistant Secretary of Labor

Dr. Bob Sheets

Dr. Steve Crawford

Dr. Roy Swift

Lumina Foundation:
Credential Engine was formally founded in December 2016 to operationalize the work of CTI through the support of Lumina Foundation and JPMorganChase&Co.

JPMorganChase&Co

Credentialing Bodies

Quality Assurance Groups

Students

Workers

Employers

Credential Engine Staff:
Meet our Team ~ The Credential Engine staff is comprised of experts from a wide variety of backgrounds, brought together by their unified mission to reveal the marketplace of credentials and achieve credential transparency.

Nate Argo:
Associate Solutions Architect

Jennifer Briones:
Project Manager

Scott Cheney:
Chief Executive Officer

Deborah Everhart:
Chief Strategy Officer

Jeff Grann:
Credential Solutions Lead

Jeanne Kitchens:
Chief Technology Services Officer

Scarlett Jeckel:
Accounts and Publishing Coordinator

Erick Montenegro:
Director of Communications

Michael Parsons:
Senior Solutions Architect

Devin Peelman:
Operations Coordinator

Emilie Rafal:
Director of Programs

Bettina Timme:
Project Lead, Retail & Hospitality Initiative

Credential Engine Collaborators:
Credential Engine’s work is expanded and improved by the work of numerous collaborators and contracting organizations — continued next page
The Credential Engine Board of Directors is comprised of leaders in industry, education, workforce, labor, and technology. Together, this group guides and shapes the work of Credential Engine to help the organization realize its mission.

**Joe Bhatia**: President and CEO, American National Standards Institute

**Aaron Fichtner**: President, New Jersey Council of County Colleges

**Barbara Gellman-Danley**: Treasurer | President, Higher Learning Commission

**Liberty Munson**: Principal Psychometrician, Microsoft Corporation

**Eleni Papadakis**: Chair | Executive Director, Washington State Workforce Training and Education Coordinating Board

**Carol Quillen**: President, Davidson College

**Andreas Schleicher**: Director for the Directorate of Education and Skills, Organisation for Economic Cooperation and Development

**Elizabeth Shuler**: Secretary-Treasurer, AFL-CIO

The work of Credential Engine is supported by a wide group of foundations and organizations that understand the value and necessity of transparent credential and competency data. We are grateful to each of them for their continued commitment to our work together.

**ECMC Foundation**: Supporting Higher Education and Career Success Among Underserved Populations

**Google.org**: We bring the best of Google to help solve some of humanity’s biggest challenges — combining funding, innovation, and technical expertise to support underserved communities and provide opportunity for everyone.

**Microsoft**

**National Science Foundation**: The National Science Foundation (NSF) is an independent federal agency created by Congress in 1950 “to promote the progress of science; to advance the national health, prosperity, and welfare; to secure the national defense...”

**Northrop Grumman Foundation**: Northrop Grumman’s philanthropic initiatives focus on building meaningful partnerships that transform our communities. Working with our dynamic partners, we strive to support the diverse needs of the communities where we live and work through giving from the company, the Northrop Grumman Foundation and employees. Our core areas of focus include education, military and veterans, health and human services, and the environment.

**Siegel Family Endowment**: Siegel Family Endowment supports organizations working at the intersections of learning, workforce, and infrastructure. The primary objective of our grant-making is to champion organizations whose work contributes to making a world in which all people have the tools, skills, and context necessary to engage meaningfully in a rapidly changing society. SFE was founded in 2011 by computer scientist and entrepreneur David M. Siegel, a co-founder of Two Sigma.

**Walmart Foundation**: Together, Walmart and the Walmart Foundation generally provide more than $1 billion in cash and in-kind to support programs that align with our philanthropic priorities. We focus on areas where we can do the most good - combining the unique strengths of the business alongside our philanthropy. Our ability to draw on Walmart business strengths, providing more than just funding, helps our philanthropy to deliver greater societal impact. Today, Walmart.org, through the combined philanthropic efforts of both Walmart and the Walmart Foundation, creates opportunities for people to live better every day.

**Registry Participants**: Registry participants play an essential role in this initiative by making information about their credentials and quality assurance processes available to the Credential Registry. Credential Issuer Participants include:

- Universities, four-year colleges, and community colleges that award a variety of credentials, from certificates and associate degrees to baccalaureate and graduate level degrees.
- Organizations and companies that award industry certifications, certificates, and other credentials such as licenses and badges.

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- Organizations and companies that award industry certifications, certificates, and other credentials such as licenses and badges.

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Quality Assurance Participants are organizations that accredit, recognize, approve, or endorse credentialing organizations.

Third Party Publishers are organizations that publish on behalf of credential providers with their permission.

American Medical Technologists
American Military University
American National Standards Institute
American Public University System
American Road & Transportation Builders Association
American Society for Clinical Pathology
American Society for Clinical Pathology Board of Certification
American Staffing Association
American Welding Society
Apex Analytics Group
Arizona State University
Arkansas Department of Higher Education
Ashford University
Associated General Contractors of America (AGC)
Association of College and University Educators
Association of Energy Engineers
Association of Government Accountants
AstrumU
Audacious Futures
AVIXA
AXELOS
Badgr
Ball State University
BAR PC Training LLC
Barton Community College
Baton Rouge Community College
Behavioral Intervention Certification Council
Belmont College
Bellevue University
BenchPrep

Stakeholders (continued)
Stakeholders (continued)

Bergen County Technical Schools Adult and Continuing Education
Biotility, University of Florida
Board of Certified Safety Professionals
Board of Pharmacy Specialties
BOLD Labs
Bossier Parish Community College
Bowling Green State University
Brandman University
BrightHive
Building Commissioning Certification Board
Building Performance Institute
Butler Community College
Capella
Capella Education Company
Carbon Five
Career and Technical Education Consortium of States Inc.
Catalyst Kitchens by FareStart
Cazenovia Software
Center for Energy Workforce Development
Center for Financial Responsibility
Central Career Institute LLC
Central Louisiana Technical Community College
Central Maine Community College
Central Michigan University
Central Ohio Technical College
Central State University
CertNexus
CFA Institute
CFP Board
Charter Oak State College
Cincinnati State Technical and Community College
Clark State Community College
Clark University – School of Professional Studies
Cleveland State University
Cloud County Community College
Code Fellows Holdings Inc.
Coffeyville Community College
Colby Community College
College of Allied Health Sciences – Uniformed Services University
Colorado State University – Global Campus (CSU-GC)
Colorado Technical University
Columbus State Community College
Commission on Dietetic Registration
Community Associations Institute
Community College System of New Hampshire
CompTIA
Construction Management Association of America
Corporation for a Skilled Workforce
Council of Engineering & Scientific Specialty Boards
Council of Supply Chain Management Professionals (CSCMP)
Council on Licensure, Enforcement and Regulation
Cowley Community College
Crafton Hills College
Credential Commons
The Culinary Institute of America
Custom Electronic Design and Installation Association (CEDIA)
Customer Experience Professionals Association
Cuyahoga Community College
Dallas County Community College District
davio.io

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Stakeholders (continued)

Degree Qualifications Profile (DQP)  Ferris State University
Degreed  Fletcher Technical Community College
Delgado Community College  Flint Hills Technical College
Dell EMC  Fort Hays State University
DePaul University  Fort Scott Community College
District of Columbia Board of Occupational Therapy  Front Range Community College, Colorado
District of Columbia Board of Social Work  Fullstack Academy
Dodge City Community College  Garden City Community College
Ducks Unlimited  Gateway Community & Technical College
DXtera Institute  Global Academy of Finance and Management (GAFM)
Eastern Gateway Community College  Global Communication Certification Council
Eastern Maine Community College  Goodwill Industries of Michiana
Eastwick College  Google
Economic Modeling, LLC  Goshen College
Edgewater Health  Granite State College
Education Design Lab  Great Bay Community College
Eduworks Corporation  Green Business Certification Inc.
edX  Greenfield Community College
Elanco Animal Health  GreenLight Credentials
Elkhart Area Career Center  H Bureau LLC
Elkhart Community Schools – Community Education  Hale Associates Center
Elkhart High School  Helpfully, LLC
El Paso Community College  Hewlett Packard Enterprise
Elon University  Higher Learning Commission
Emporia State University  Highland Community College
Emsi  Horizon Education Alliance
Energy Management Association  Hospitality Financial and Technology Professionals (HFTP)
esri  Hospitality Training Academy
ETA International  HR Open Standards
Events Industry Council  HSMAI
Exemplar Global  Hutchinson Community College
Felician University  I am Bham, Inc.

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Stakeholders (continued)

iDesign
Iiij Foundation
Illinois Certified Domestic Violence Professionals
Illinois Department of Public Health
Illinois Nurse Aid Testing
Independence Community College
Indiana Commission for Higher Education
Indiana Department of Education
Indiana Department of Veterans Affairs
Indiana Department of Workforce Development
Indiana Health Care Association/Indiana Center for Assisted Living
Indiana State University
Indiana University Bloomington
Indiana University East
Indiana University Kokomo
Indiana University Northwest
Indiana University Purdue University Indianapolis
Indiana University South Bend
Indiana University Southeast
Indiana Wesleyan University
INFORMS
International Association of Privacy Professionals
Institute for Certified Professional Managers – James Madison University
Institute for Credentialing Excellence – National Commission for Certifying Agencies
Institute for Safety and Health Management
Institute of Hazardous Materials Management
Inteleos
International Code Council
ISACA
IT Certification Council

Ivy Tech Community College
Johnson County Community College
Kansas Board of Regents
Kansas City Kansas Community College
Kansas State University
Kappa Delta Pi
Kent State University
Kentucky Community & Technical College System
Labette Community College
LaGuardia Community College
Lakeland Community College
Lakes Region Community College
LARA – Bureau of Community and Health Systems
LARA – Bureau of Professional Licensing
LARA – Corporations Securities and Commercial Licensing Bureau
Laramie County Community College
Lavoro Education Services
LearnKey, Inc.
LEO – Michigan Occupational Safety & Health Administration (MIOSHA)
LEO – Operations – Postsecondary Schools
LEO – Workforce Development – State Approving Agency
LEO – Workforce Development – Adult Education
LHPU
Lincoln Tech
Lipscomb University
Lone Tree Academics LLC
Lorain County Community College
Louisiana Community and Technical College System

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Stakeholders (continued)

Louisiana Delta Community College
Lourdes Institute Of Wholistic Studies
Lumaway
Madison Area Technical College
Maine Community College System
Manchester Community College
Manhattan Area Technical College
Manufacturing Skills Standards Council
Marion Technical College
MBA Research and Curriculum Center
McAfee Institute, LLC
Miami Dade College
Michigan Department of Education – Ed Tech Unit
Michigan Department of Education – Office of Career and Technical Education
Michigan Department of Labor and Economic Opportunity
Michigan Office of Educator Excellence
Microsoft
Middlesex Community College
Minnesota Department of Employment and Economic Development
Mississippi Gulf Coast Community College
Monroe Community College
Moravian College
Nashua Community College
National Apartment Association Education Institute
National Association of Concessionaires
National Association of Sales Professionals
National Board for Certification in Occupational Therapy
National Board of Certification & Recertification for Nurse Anesthetists
National Center for Competency Testing
National Center for Construction Education & Research (NCCER)
National Center for O*NET Development
National Certification Board for Diabetes Educators
National Cloud Technologists Association
National Commission for the Certification of Crane Operators
National Environmental Health Association
National Healthcareer Association
National Inspection Testing Certification
National Institute for Certification in Engineering Technologies
National Institute for Metalworking Skills
National Investor Relations Institute
National Registry of Food Safety Professionals
National Restaurant Association
National Wellness Institute
National Work Readiness Council
NCMS, Inc.
Neosho County Community College
New England Board of Higher Education
New Jersey Department of Labor and Workforce Development
New Jersey Institute of Technology
New Jersey Institute of Technology Division of Continuing Professional Education
New Jersey Manufacturing Extension Program (NJMEP)
NHTI – Concord’s Community College
NOCTI and NOCTI Business Solutions
Nonprofit Leadership Alliance
North American Board of Certified Energy Practitioners (NABCEP)
North Carolina Community College System
North Central Kansas Technical College
Stakeholders (continued)

North Central State College
Northeastern University College of Professional Studies
Northeast Ohio Medical University
Northern Maine Community College
Northshore Technical Community College
Northwest Energy Efficiency Council
Northwest Kansas Technical College
Northwest Louisiana Technical Community College
Northwest State Community College
NRF Foundation
NSF International Training and Education
Nunez Community College
Ohio Department of Higher Education
Ohio University
Online Learning Consortium
OpenWorks Group
Organisation for Economic Cooperation and Development
Owens State Community College
Parchment
Parisian Beauty Academy
Participate
Pathstream
PC AGE Career Institute
Peabody
PeCAXX
Pharmacy Technician Certification Board
Pima Community College
Pittsburg State University
Pole Star Experiential Learning
Polk State College
Powerminds Inc
PowerWash University

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Pratt Community College
Professional Evaluation and Certification Board
Project Management Institute
Puerto Rico Department of Labor and Human Resources
Purdue Polytechnic Institute
Purdue University Fort Wayne
Purdue University Global
Purdue University Northwest
Purdue University West Lafayette
Quality Matters
RANDA Solutions
Rasmussen College
Reel Works
Refrigerating Engineers and Technicians Association
Renzone Data
Retail Bakers of America
Rhodes State College
Rio Grande Community College
Rio Salado College
River Parishes Community College
River Valley Community College
Rockwell Automation
Rowan College at Burlington County
Saddleback College
Salesforce
Salina Area Technical College
San Francisco State University, College of Extended Learning
SAP America
SAP SE
SAS Institute, Inc.
Scrum Alliance

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Stakeholders (continued)

- Service Year Exchange Inc
- Seward County Community College
- Sinclair Community College
- Shawnee State University
- Shop! Association
- SkillsUSA, Inc.
- SmartCatalog
- Smith & Solomon Driver Training
- SMU – Continuing and Professional Education
- Society of Certified Senior Advisors
- Software Engineering Institute, Carnegie Mellon University
- South African Qualifications Authority
- South Louisiana Community College
- South Plains College
- Southern Maine Community College
- Southern Methodist University
- Southern State Community College
- SOWELA Technical Community College
- Stanford University
- Stark State College
- StudySpy
- Tarrant County College
- Terra State Community College
- Tertiary Education Commission
- Texas Lutheran University
- Texas State Technical College
- The American Boat & Yacht Council
- The Career and Technical Education Consortium of States
- The Fiber Optic Association, Inc.
- The Myers-Briggs Company, Innovation Lab
- The Savvy Pro
- The University of Akron
- Thomas Edison State University
- Tiffin University
- Training Industry, Inc.
- Tri-County Technical College
- U.S. Department of Commerce National Institute of Standards and Technology (NIST)
- U.S. Department of Labor Employment and Training Administration
- UC Berkeley Extension
- Uniformed Services University of the Health Sciences (USU) College of Allied Health Sciences
- Universal Karate Studio Hq
- University of Advancing Technology
- University of California Riverside Extension
- University of Central Missouri
- University of Cincinnati
- University of Indianapolis
- University of Kansas
- University of Kansas Medical Center
- University of La Verne
- University of Maine (Orono)
- University of Maine at Augusta
- University of Maine at Farmington
- University of Maine at Fort Kent
- University of Maine at Presque Isle
- University of Maryland University College
- University of New Hampshire
- University of North Dakota
- University of North Texas
- University of Phoenix/ Apollo Education Group
- University of Saint Francis
- University of Southern Indiana
- University of Southern Maine
- University of Toledo

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Stakeholders (continued)

University of Wisconsin – Extension
University Professional Continuing Education Association (UPCEA)
Vantage Point Consulting
Vincennes University
Volta Learning Group
WASC Senior College and University Commission
Washburn Institute of Technology
Washburn University
Washington County Community College
Washington Workforce Training and Education Coordinating Board
West Hills College Coalinga
West Hills College Lemoore
West Hills Community College District

Western Association of Food Chains
Western Governors University
Western Kentucky University
White Mountains Community College
Wichita State University
Wichita State University Campus of Applied Sciences
Wilmington University
Wine and Spirit Education Trust
Wonderlic, Inc.
Workforce Development Institute
Wright State University
York County Community College
Youngstown State University

Vision
A future where millions of people worldwide have access to information about credentials that opens their eyes to the full range of opportunities for learning, advancement, and meaningful careers

Mission
To map the credential landscape with clear and consistent information, fueling the creation of resources that empower people to find the pathways that are best for them

Values

Options: Why We Do It ~ Through an increasing array of credentials – such as degrees, licenses, badges and apprenticeships – job seekers, students, and workers have more options than ever to help them get ahead.

Personal Progress

Efficiency: Yet, there has never been an efficient way to collect, search, and compare credentials in a way that can be both universally understood and maintained in a manner that keeps up with the speed of change in the 21st century.

Information: With over 730,000 confirmed credentials in the U.S. alone, and likely millions worldwide, this lack of information in the marketplace contributes to confusion and uninformed decision making.

Decision Making
**Quality**: How We Address Quality ~ Credential Engine allows credentialing bodies and quality assurance groups to describe the varying aspects of quality through a common language so that students, workers, and employers can access the data and define quality for themselves.
Transparency

*Bring credential transparency through technology*

Credential Engine provides a suite of web-based services that creates for the first time a centralized Credential Registry to house up-to-date information about all credentials, a common description language to enable credential comparability, and a platform to support customized applications to search and retrieve information about credentials.

How We Do It ~ To bring transparency and literacy to the credentialing marketplace, Credential Engine offers a number of web-based services including:

1. **CTDL**
   
   *Develop and maintain the Credential Transparency Description Language*
   
   Developing and maintaining the Credential Transparency Description Language (CTDL), which provides the common language and “rules of the road” for how credentials, credentialing organizations, quality assurance information, and competencies are described both in the Registry and on the Web.

2. **Registry**
   
   *Scale and maintain a web-based Credential Registry that collects, connects, and maintains up-to-date credentialing data.*

2.1. **Development & Use**
   
   *Guide the development and use of the registry*
   
   Guiding the future development and use of the registry through stakeholder advisory groups representing the higher education, business, certification and licensure, quality assurance, and technical communities.

   **Stakeholder(s):**
   
   - Higher Education Community
   - Business Community
   - Certification Community
   - Licensure Community
   - Quality Assurance Community
   - Technical Community

2.2. **Queries**
   
   *Provide search engine applications*
   
   Providing search engine applications such as:

   **2.2.1. Presentation & Organization**
   
   *Demonstrate how Registry information can be retrieved, presented, and organized*
   
   Credential Finder – a prototype search application to demonstrate all the information that could be pulled from the Registry and show how it could be presented and organized.
2.2.2. Applications

*Build and enable usage of customizable applications accessing the Registry data*

Customizable applications that can be built or used through the Open Applications Marketplace to utilize the Registry’s data to access tailored credentialing information.

**Administrative Information**

**Start Date:** 2016-12-31  
**End Date:**  
**Publication Date:** 2021-04-14  
**Source:** https://credentialengine.org/about/  
**Submitter:**  
**Given Name:** Owen  
**Surname:** Ambur  
**Email:** Owen.Ambur@verizon.net  
**Phone:**