

James Earl Douglas

james@earldouglas.com

Software engineer with experience in functional programming, full-stack Web development, system architecture, engineering management, technical leadership, mentoring, and community stewardship

Organized the San Francisco Scala Study Group and the Bay Area Haskell Users Group

Expert in Scala and Java, and proficient in JavaScript, TypeScript, Haskell, and Nix

SELECTED TALKS

- [Hands-on category theory](#), [Functional refactoring](#), [Discovering knowledge in linked data](#)

SELECTED PROJECTS

- [xsbt-web-plugin](#), [codedown](#), [swagger-test](#), [barebones spring mvc](#)

EXPERIENCE

Campaign Partners, Vice President of Engineering, May 2017 - Present

- Architect and guide the development of a microservices platform
- Mentor and coordinate the efforts of local, remote, and offshore engineering teams

Udacity, Director of Platform Engineering, August 2015 - May 2017

- Guided the development of Udacity's next-generation microservices platform and key services
- Kept the platform team happy and productive, and help them navigate their careers
- Open sourced projects: [geode](#), [ansible-marathon](#), [pygow](#), [github-oauth-servlet](#), [datadog-client](#)

Wikimedia Foundation, Sr. Software Engineer and Technical Lead, November 2014 - July 2015

- Improved [MediaWiki search](#), based on Elasticsearch
- Developed [semantic Wikidata search](#), based on RDF and Blazegraph
- Established a specification-driven [development process](#) with [design by contract](#)

Versal, Engineer and Co-founder, September 2012 - October 2014

- Developed the [Versal platform](#) in Scala using a scalable event-sourced architecture
- Designed the continuous delivery environments and processes
- Open sourced projects: [Jellyfish](#), [FireOtter](#), [Scamper](#)

Palantir Technologies, Forward Deployed Engineer, May 2011 - August 2012

- Created the Java-based REST API for [Palantir Gotham](#)
- Standardized the build process for teams of forward deployed engineers using sbt and Ivy
- Built and extended data integration tools in Scala and Java

Additional experience and references available upon request

EDUCATION

American Military University, Master of Science, Aerospace, 2006 - 2011

The University of Arizona, Bachelor of Science, Computer Engineering, 2001 - 2005