

Kellen Donohue

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Seasoned software engineer with 10+ years of experience at Palantir, Google, and Facebook. Proven leader of engineering teams focused on scalable data processing, real-time analytics, and AI-driven solutions using technologies such as Spark, Kafka, Flink, and React. Currently seeking opportunities to lead high-impact teams and apply deep technical expertise to complex, data-intensive systems.

INDUSTRY EXPERIENCE

Palantir Technologies

Forward Deployed Software Engineer: July 15 – April 25

- **Tech lead** of several ~6-engineer teams creating big data processing, analysis, and operational decision-making solutions for several clients, including leveraging **Generative AI** architecture
- Developed landing slot assignment optimization system for major airline using **Kafka, Spark, Java, Python, Typescript, Elasticsearch** providing live interop with regulator and internal systems
- Built full-fleet real-time fault tracking, uptime monitoring, and stat aggregation for industrial company with 100+ machines deployed at 20+ customers using **Kinesis, S3, Flink**
- Created **Entity resolution** pipeline powering investigation framework for multinational bank processing **1TB/day** from over 60 data sources
- Awarded **patent** for member engagement and provider data integrity system and web app for nationwide insurance company with **Postgres, React/Redux, Dropwizard**
- Implemented service implementing mail-merge style email notifications driven by customer datasets, and **OAuth 2.0** client libraries for authentication with Foundry API's used at several customers

Google – Helpouts, Hangouts

Software Engineer: July 13 – July 15

- Completed front-end projects, primarily in **Java, JavaScript, HTML5**
- Implemented **unified notification** system for user notifications and user discussions across iOS, Android, SMS, web, and email

Facebook – Platform

Software Development Intern: June 12 - September 12

- Developed send-to-mobile, a system for delivering mobile app install notifications to Facebook users in **XHP, and JavaScript**, serving **millions of impressions** and 1000s of conversions daily.

EDUCATION

University of Washington, Seattle, WA

M.S. Computer Science and Engineering, June 2013

B.S. Computer Engineering, June 2012, Cum Laude, B.A. Political Science, June 2012, Cum Laude

ACADEMIC RESEARCH

NET Daikon Compiler Front-End – under Professor Michael Ernst

Research Assistant: October 10 – June 13

- Published "[Writing and Enforcing Contract Specifications](#)" *ICSE 2013*, Created program to modify **C#** programs by inserting calls to reflectively inspecting variables, allowing invariant detection

TECHNICAL SKILLS

- Languages: Java, Python, C#, JavaScript, TypeScript, SQL, PHP, Ruby
- Big Data & Streaming: Apache Spark, Apache Flink, Apache Kafka, Elasticsearch
- Cloud & Infrastructure: AWS (EC2, S3, Redshift, Kinesis), PostgreSQL, OAuth 2.0



ADDITIONAL INFORMATION

- Additional internships: **Google** 2011, **Facebook** 2010, **Microsoft** 2009, 2008
- Graduate areas of focus: Prog. Languages, AI, Dist. Systems, Compilers, Security, Software Eng.