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 providing mail-merge style email notifications driven by customer datasets, and **OAuth 2.0** client libraries for authentication with Foundry APIs 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 13
B.S. Computer Engineering, June 12, Cum Laude**,** B.A. Political Science**,** June 12, 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, Hadoop, Elasticsearch
- Cloud & Infrastructure: AWS (EC2, S3, Redshift, Kinesis), PostgreSQL, OAuth 2.0

ADDITIONAL INFORMATION
- Additional summer internships: **Google** 11, **Facebook** 12, 10, **Microsoft** 09, 08
- Graduate areas of focus: Prog. Languages, AI, Dist. Systems, Compilers, Security, Software Eng.

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