

## **FORWARD DEPLOYED SOFTWARE ENGINEER SUMMARY**

- 10+ years at Palantir and Google leading teams on real-time analytics and decision-making systems
- Technical leader and patent-awarded engineer with expertise in Spark, Kafka, Flink and Gen AI experience
- Built large-scale pipeline, including 1 TB/day across 60+ sources for entity resolution

## **INDUSTRY EXPERIENCE**

### **Palantir Technologies**

Forward Deployed Software Engineer: July 2015 – April 2025

- **Tech lead** of several ~6-engineer teams creating big data processing, analysis, and operational decision-making solutions for clients across 9 industries, including leveraging **Generative AI**
- Developed real-time optimization system tracking **4,000+ daily flights across 200+ airports**, integrating with live air traffic & scheduling data using **Kinesis, Kafka, Flink, Spark**
- Created entity resolution pipeline ingesting **1 TB/day across 60+ data sources** reconciling **millions** of customer and transaction records for compliance teams across multiple countries
- **Led design and implementation** of a regulation-compliant member engagement platform for a major US healthcare payer, streamlining outreach to millions of members, awarded **patent**
- Built real-time fault tracking system ingesting high-frequency telemetry **from 100+ industrial machines** deployed at 20+ customers, reducing downtime by enabling anomaly detection in seconds
- Engineered **OAuth 2.0 client libraries** for secure Foundry API authentication at **enterprise scale** and service for data-powered emails, both deployed at dozens of customers

### **Google – Helpouts, Hangouts**

Software Engineer: July 2013 – July 2015

- Delivered scalable front-end features in **Java, JS**, including secure messaging and consent workflows
- Implemented **unified notification system** across iOS, Android, SMS, web, and email, reducing duplication and improving developer velocity while ensuring a consistent user experience

### **Facebook – Platform**

Software Development Intern: June 2012 - September 2012

- Developed send-to-mobile, a system for delivering mobile app install notifications to Facebook users in **XHP, and JS**, serving **millions of impressions** and thousands 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 2010 – June 2013

- Published "[Case Studies and Tools for Contract Specifications](#)" *ICSE 2014*, Created program to modify **C#** allowing reflective variable inspection for automated invariant detection and contract generation

## **TECHNICAL SKILLS**

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



## **ADDITIONAL INFORMATION**

- Additional summer internships: **Google** 2011, **Facebook** 2012, 2010, **Microsoft** 2009, 2008
- Graduate areas of focus: Prog. Languages, AI, Dist. Systems, Compilers, Security, Software Eng.