

STEFANIE JANE

Engineering Enchantress | Software Sorceress | Music Producer | Maker | Founder

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Summary

With a passion for technology and creativity, I bring deep experience in software development across the entire stack, spanning [Android OS](#), mobile application development, cloud services, firmware, and embedded systems. I've successfully led both open-source and enterprise projects, helping teams achieve technical excellence and innovation. Proficient in multiple programming languages, and highly skilled with the use of modern AI developer tooling and practices. I thrive in hands-on leadership roles, and am committed to continuous learning and self improvement.

Let's build something amazing together!

Top Skills

Programming Languages

C C++ Go Java Kotlin Perl Python Ruby Rust

Technical Expertise

Android OS Qualcomm Snapdragon Firmware BSP Cloud Services AI/ML Embedded Systems
Software Architecture Infrastructure Linux Kernel Device Drivers Android Apps

Engineering Leadership

Team Management Software Development Lifecycle Project Management Mentoring

Experience

Mason

Senior Principal Engineer

(Current Role)

▸ Leading a key new AI product initiative

▸ **Technologies:** Java, C++, Kotlin, Go, Python, [AWS](#), [Kubernetes](#), [PostgreSQL](#)

Director of Software Engineering

(March 2021 - May 2024)

▸ Led software teams through a growth phase

▸ Key contributor and engineering leader

▸ Managed teams responsible for cloud services and device software

- Built processes and programs for supporting customers and developers
- Created tutorial videos and webinars

Principal Software Engineer

(May 2019 - March 2021)

- Bringup of new hardware platforms
- Developed firmware and Android OS for mobile devices using [Qualcomm Snapdragon](#) hardware
- Launched several phones and a smartwatch
- Added new capabilities to device management platform
- Designed and built the X-Ray remote management system
- Mentored new team members

Cartogram, Inc

Board Member

(April 2015 - Present)

- Provide strategic direction and oversight
- Advise on technology and product development

Oculus VR

Systems Software Engineer

(April 2017 - March 2019)

- Contributed to the launch of [Oculus Go](#), the first self-contained VR headset
- Worked on OS software, audio, power and performance optimization, and soft realtime scheduling
- Integrated multi-architecture, multi-toolchain build system with Sandcastle CI
- Brought up several new prototype boards
- Implemented low-level support for A/B OTA system
- Post-market support of Oculus Go product
- **Technologies:** C, C++, Java

Cyanogen Inc

Chief Technology Officer

(March 2013 - November 2016)

- Co-founded Cyanogen Inc, building on the popular [CyanogenMod](#) open-source project, which had thousands of contributors and millions of users
- Deeply involved in fundraising, hiring, and laying the groundwork for company growth
- Launched several mobile phones with CyanogenOS
- Gave keynote talks at conferences
- **Technologies:** C, C++, Java, Python, [AWS](#)

Samsung Telecommunications America

Staff Software Engineer

(August 2011 - March 2013)

- Led new product ideation, R&D
- Contributed to the launch of [Galaxy](#) and [Note](#) series phones
- Collaborated with Samsung's open-source team
- Lead engineer on US carrier projects (T-Mobile/AT&T) including the Galaxy S2/S3 and Galaxy Note
- Helped bring multiple devices to market while leading various R&D efforts
- **Technologies:** C, C++, Java, Python

Penthera Technologies

Senior Software Engineer

(May 2010 - June 2011)

- Developed network-friendly media streaming software
- Developed [MeeGo](#) and Android applications for streaming, including front-end web client features and MeeGo Qt client
- Improved media transcoding platform performance
- **Technologies:** Ruby, C++, Java

Health Monitoring Systems

Lead Software Architect

(July 2006 - May 2010)

- Built the technical infrastructure from the ground up
- Developed EpiCenter, a syndromic surveillance platform collecting data from hundreds of hospitals nationwide
- Designed a high-performance analytics engine with spatial analysis capabilities
- Built the Mergence HL7 integration engine, processing large amounts of real-time data feeds
- **Technologies:** Java, JavaScript, [PostgreSQL](#), Oracle

University of Pittsburgh

Systems Engineer

(May 2005 - July 2006)

- Built Oracle clusters, worked with GIS and spatial databases
- Supported RODS Lab's syndromic surveillance platform

Expedient

Lead Systems Engineer / Software Developer

(April 1998 - April 2005)

- Progressed from entry-level support to lead systems engineer
- Developed infrastructure management software and managed server platforms
- Maintained Fibre Channel SAN and backup equipment
- Redesigned production platforms for web hosting and email
- Designed and built infrastructure software and services for an independent internet service provider
- Served a customer base of millions with connectivity and mail, as well as providing managed systems and services from data center facilities

Awards & Recognitions

- Created [CyanogenMod](#), now [LineageOS](#), freeing millions of Android phones
- Keynote speaker at product launches and conferences worldwide

Personal Interests

- Avid roller skater and roller derby player
- Electronic music producer
- Open source software developer, check out my [GitHub!](#)