

Adam Michael Andrews

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PROFESSIONAL EXPERIENCE

Amazon

Software Development Engineer II

Los Angeles, CA

March 2021 – Present

- Engineer, develop, and maintain the voice platform powering the Alexa on FireTV experience – allowing customers to speak and execute commands with their voice on FireTV devices
- Write and deliver new features such as Alexa Shortcuts Panel, a native Android voice experience which receives over 6 million monthly interactions educating customers on new Alexa Features and capabilities
- Quickly learn and adapt to new tools, languages, and codebase structures to contribute high-impact changes such as de-duplicating one million advertisement impressions monthly via Audio Fingerprinting upgrades
- Create and execute comprehensive deployment and telemetry strategies for remote software updates to a 200 million FireTV device base, ensuring seamless integration and minimal disruption
- Swiftly identify, mitigate, and resolve critical technical issues in an on-call environment, maintaining service stability for a complex ecosystem of over 200 million FireTV devices and dozens of device families
- Design and deliver large-scale integrations such as overhauling the Voice Platform metrics client, a core high-cardinality metric integrations which monitors Alexa on FireTV health

Kelvi

Developer

Los Angeles, CA

June 2018 – March 2021

- Innovate, prototype, and deliver innovative solutions spanning various technical verticals in a fast-paced startup environment
- Lead product embedded firmware and driver development in C++ on FreeRTOS to drive real-time operation of state-of-the-art thermal therapy medical devices
- Develop and implement proprietary feedback loop algorithms which deliver core device functionality
- Identify and develop automation and manufacturing tools in Python, Bash, React, Javascript, HTML, and CSS to remove manufacturing bottlenecks, lower product build times, and lowered error rates by a factor of five compared to prior manual processes
- Design, implement, and manage IEC 62304 medical device product and software testing strategy, including training engineers and interns to drive successful testing and documentation outcomes
- Manage issue tracking, Git workflows, and Jira to drive visibility into the development process for business and management stakeholders
- Work alongside executive management to identify system-level feature, safety, and performance requirements with emphasis on complying with IEC 60601-1 test standards
- Design and layout PCBs in Mentor Graphics PADS to create feature-rich and reliable electrical platform for delivering critical product features including batteries, sensors, and other peripherals

EDUCATION

University of California, Berkeley

Master of Engineering, Biomedical Engineering

Berkeley, CA

August 2017 – May 2018

Cumulative GPA: 3.6 / 4.0

University of California, Los Angeles

B.S. Biomedical Engineering w/ Concentration in Material Science

Minor in Mathematics

Los Angeles, CA

September 2013 – June 2017

Cumulative GPA: 3.4 / 4.0

- **Honors:** Muriel K. and Robert B. Allan Engineering Scholarship (2017), William L. Martin Engineering Undergraduate Scholarship (2015), Simon Ramo Endowed Scholarship in Engineering (2014)

SKILLS & INTERESTS

- **Technical Skills:** Git, CI/CD, Distributed System Design, API Design, AWS, Android, Microservices, Linux, Jira, Backend, Frontend, Fullstack, PCB Design
- **Languages:** Java, Python, C++, Typescript, Javascript, SQL, HTML5, CSS, Bash, Rust
- **Frameworks:** NextJS, React, Node, Django
- **Certifications:** California Real Estate Agent - License ID# 02101247, Eagle Scout
- **Interests:** Cryptocurrency, Cryptography, Web3, Web2, AI, LLMs, Investing, Personal Branding, Real Estate Investing, Automation, Hiking, Marathonning