

# Alex Jackson Lambert

San Francisco, CA | (650) 531-9478 | [alexjacksonlambert@gmail.com](mailto:alexjacksonlambert@gmail.com) | [linkedin.com/in/alex-jackson-lambert](https://www.linkedin.com/in/alex-jackson-lambert) | US Citizen

## Summary

---

Software engineer with six years of industry experience across large-scale technology companies developing critical high availability distributed cloud products and large-scale low-latency developer infrastructure, primarily using backend technologies such as Java, Python, and PostgreSQL. Experienced in leading designs of multi-developer projects, driving cross-functional team collaboration, and mentoring junior engineers.

## Experience

---

**Meta** | Software Engineer (Developer Experience)

*Menlo Park, CA | May 2024 – Present*

- Spearheaded zero-to-one continuous integration/deployment solution for a new in-house Vercel alternative, preparing and validating visible deployments in under 2 minutes for over 10,000 internal Next.js apps. Balanced push safety requirements for critical apps against strict latency targets and capacity constraints, allowing teams to fully and safely test and deliver new functionality for each app over 10 times a day.
- Introduced and automated a complex AI-assisted migration for over 30,000 android screenshot tests across the company to an improved framework, reducing average runtime by a factor of 7 and saving an estimated ~9 months of developer time for manual migrations.
- Created automated systems for detecting mobile app build breakages on the main commit, using static analysis and LLM-assisted root cause detection to provide the appropriate oncall with assistance and automatically resolving the breakage where possible, producing a 50% reduction in average active breakage time.
- Served as a manager for a summer intern, designing their project structure and development plan and coaching throughout the process, leading to a return offer and delivering three weeks of work beyond the initial project scope, improving the development velocity of ~100 mobile engineers with the rollout of their IDE extension.

**Microsoft** | Software Engineer (Backend)

*Edinburgh, United Kingdom | Sep 2020 – May 2024*

- Engineered new mobile network functionality as part of the Azure for Operators organization, enhancing functionality across cloud and on-premises products, achieving high availability (99.999% uptime) and reliability for critical infrastructure.
- Led the design and implementation of a large-scale cross-team collaboration project to create zero-to-one music on hold functionality, coordinating a group of five developers across two teams. Ensured feature parity with market alternatives and introduced customizability to meet requirements across the ~10 major customers requesting the feature, handling thousands of concurrent calls without any noticeable delays or call issues at 99.999% availability using distributed servers.
- Overhauled video call server software to integrate with Azure, driving customer migration to cloud solutions and reducing the costs required for this service by ~30%.
- Safely migrated hundreds of network operation companies onto the secure versions of TLS and ciphers, addressing issues with firmware across ~20 different phone model manufacturers, achieving 100% encryption compliance on call traffic without outages.
- Orchestrated wide-reaching improvements of 11 Python services across several teams, upgrading to industry best practices and raising the average test coverage from ~20% to 95%. This greatly increased maintainability and velocity through reproducible builds and typing, saving ~1 week of QA time for every release.

## Education

---

**Durham University, UK** | BSc in Computer Science and Mathematics

*First Class degree with Honors (4.0 GPA equivalent)*

## Skills & Certifications

---

- **JVM:** Developing reliable and maintainable applications in Java and Kotlin, using Spring frameworks.
- **Full Stack:** Creating and maintaining functional web applications using TypeScript, React, and Next.js.
- **Tooling:** Increasing development velocity with new CLI tooling and scripts using Python and Rust.
- **Microservices:** Managing deployments for solutions using docker/podman containers and Kubernetes clusters.
- **APIs:** Designing and implementing robust maintainable REST APIs and GraphQL endpoints.
- **Linux:** Building software on and for Linux systems, including operating system specifics and shell scripting.
- **Databases:** Architecting and managing performant relational databases using PostgreSQL and MySQL.
- **Cloud:** Developing, deploying, and managing cloud solutions using AWS and Azure (AZ-900 certified).
- **Languages:** Certified in British Sign Language and the highest level of the Japanese Language Proficiency Test.