ROHAN HASABE

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EDUCATION

Northeastern University, Boston, MA   **August 2024 - May 2026 (Graduating)**
Master of Science - Computer Science - 3.8/4 GPA
Relevant Coursework: Mobile Application Development (Java and Kotlin), Algorithms, Database Management and Design, Programming Design Paradigm (Java); Building Scalable Distributed Systems (Go)

Pune University, Pune, India   **August 2019 - May 2023**
Bachelor of Engineering - Information Technology

PROFESSIONAL EXPERIENCE

Esper.io, Seattle, Washington, USA   **June 2025 – December 2025**
Software Development Engineer Intern (returning as a student)
- **Built Esper's MCP Server, enabling AI-driven device management,** shipping core components from design through production launch.
- **Designed and implemented an end-to-end certificate lifecycle management system** that enables enterprise customers to deploy wifi certificates across large device fleets in a single click.
- **Re-architecting the Android Device OTA Management microservice** to support third-party non-Esper managed devices receiving OTA updates, giving ODMs an alternative to Google OTA Services.

Esper.io, Bengaluru, India   **June 2023 – July 2024**
Software Development Engineer 2
- **Designed and implemented 10+** RESTful APIs for Android Device OTA Management, enabling tier 1 enterprise partners to automate Esper Foundation Android device updates, driving a major reduction in OTA deployment times.
- Architected and **deployed Android Device OTA Management microservices using Go, PostgreSQL**, Argo CD, and Terraform - implementing horizontal scaling patterns to manage data flow across 80,000+ connected devices.
- Established a comprehensive test suite using the Go testing framework, **achieving 95% code coverage** across OTA management services with unit tests.
- **Engineered a real-time event streaming pipeline using Kafka** for device state tracking and monitoring.
- **Delivered high-priority feature development** in Foundry (OTA management) platform based on product requirements, driving a 25% increase in enterprise client adoption.
- Enhanced core cloud service (Scapi) command framework using **Django, Redis, and Python, implementing new API** endpoints and optimizing existing functionality for improved reliability.

PROJECT

Resume Parser: (https://github.com/Hasaber8/resume-parser-go)
- Built a PDF resume parser in Go that extracts structured content using pattern-matching algorithms and document processing libraries, providing insights into automated resume-screening systems

WebRTC-based Video Calling Setup: (https://github.com/Hasaber8/webrtc-go)
- Built a real-time video calling application with a custom Go signaling server, handling WebSocket-based SDP exchange, ICE candidate negotiation, and TURN/STUN configuration for NAT traversal.

TEACHING EXPERIENCE

Northeastern University, Boston, MA   **January 2025 – Present**
Teaching Assistant
- Supervised and evaluated 70+ students across all Northeastern University campuses for the 'CS 5520: Mobile App Development' course, conducting office hours and providing comprehensive guidance on Android platform projects, labs, and assignments focused on mobile application design and development principles.

SKILLS & ACHIEVEMENTS

- **Programming Languages and Frameworks:** Go, Python, Java, Kotlin, Bash
- **Technologies**: PostgreSQL, Kafka, Django, Redis
- **Infrastructure:** Docker, Kubernetes, Terraform, AWS
- **CI/CD:** BuildKite, Jenkins, Argo CD, Git
- **Placed India Rank #15 in Google HashCode 2021 extended rounds**