

## Hasan Seirafi

Senior Cloud Software Engineer | Backend & Cloud Specialist

### Contact Information:

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Portfolio: [hasan-seirafi.onrender.com](https://hasan-seirafi.onrender.com)

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## Professional Summary

Innovative **Senior Cloud Software Engineer** specializing in designing and optimizing **high-performance backend systems** for **scalable cloud environments**. Experienced in **Java Spring Boot, Node.js, and Golang**, with expertise in **microservices architecture, cloud computing (AWS, Kubernetes, Docker), and distributed systems**. Adept at **building fault-tolerant APIs, enhancing database performance, and leading cloud-first development initiatives**.

Passionate about **large-scale cloud migrations and performance tuning** to drive efficiency and reliability.

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## Technical Skills

- **Cloud Platforms & DevOps:** AWS (EC2, S3, Lambda, RDS), Kubernetes, Docker, Terraform, CI/CD pipelines
  - **Backend Development:** Java (Spring Boot), Node.js, Express.js, Golang, RESTful APIs, gRPC, Microservices
  - **Databases & Caching:** PostgreSQL, MongoDB, Redis, Elasticsearch
  - **Real-Time Systems:** WebRTC, WebSockets, Kafka, RabbitMQ
  - **Security & Performance:** API security (OAuth, JWT), Load Balancing, Caching Strategies, Scalability Optimization
  - **Additional Tools & Technologies:** TypeScript, Python, GraphQL, Event-Driven Architecture
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## Professional Experience

*Senior Software Engineer - IntelliTech (Jan 2020 – Oct 2023)*

- **Designed and deployed scalable cloud-native microservices** with **Java Spring Boot and Golang**, reducing API response times from **250ms to 175ms**.

- Led the development of **fault-tolerant distributed systems** on AWS with Kubernetes, ensuring **99.99% uptime**.
- Engineered **secure, high-performance REST and gRPC APIs**, decreasing data retrieval latency by **40%**.
- Developed **real-time communication solutions** with WebRTC and WebSockets, improving system responsiveness.
- **Optimized CI/CD pipelines** using Jenkins and GitHub Actions, reducing deployment times by **50%**.

#### *Senior Software Engineer - Bricata (Oct 2017 – 2020)*

- Developed **high-throughput backend microservices** using **Java Spring Boot, Node.js, and Redis**, improving system scalability.
- **Boosted API response time by 50%**, reducing query execution from **300ms to 150ms** with caching strategies and indexing.
- Implemented **OAuth2 and JWT-based authentication flows**, ensuring compliance with security best practices.
- Led the **monolith-to-microservices migration**, improving system maintainability and deployment efficiency.

#### *Full Stack Developer - Comtech Telecommunications Corp (Sep 2015 – Oct 2017)*

- Designed and developed **RESTful APIs** for a telehealth platform, enabling **200% growth in active users**.
- Built and deployed **Java Spring Boot microservices**, streamlining backend processes, and reducing downtime.
- Implemented **WebRTC-based secure video solutions**, ensuring HIPAA-compliant doctor-patient interactions.
- Configured and optimized **STUN/TURN servers** for seamless NAT traversal and improved connectivity.

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## Education & Certifications

### **University of California, Los Angeles (UCLA)**

B.A. History and Linguistics (2004 – 2008)