

SHASHANK MAHAJAN

SENIOR FULL-STACK ENGINEER

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EXECUTIVE SUMMARY

Senior Full-Stack Engineer with 5+ years in high-performance backend, cybersecurity, and cloud-native systems. **Led development of an enterprise security portfolio for 50+ global clients.** Expert in **GoLang & React**, specializing in **HSM management** and automated cloud provisioning. Expert in solving complex scalability challenges using advanced DSA and secure architectural patterns.

TECHNICAL COMPETENCIES

Languages & Frameworks: GoLang, React.js, Node.js, TypeScript, gRPC, Microservices, Web3.js

Security & Cloud: HSM Management, IAM, OAuth2, API Security, GCP, Docker, Podman

DevOps & Tools: CI/CD (GitLab CI, Jenkins, GitHub Actions), Terraform, OSB API

Databases & Systems: MongoDB, MySQL, Redis, PostgreSQL, Distributed Systems, Algorithms & DSA

PROFESSIONAL EXPERIENCE

Thales DIS | Senior Software Engineer

JANUARY 2024 – PRESENT

- Achieved **83% reduction in deployment time** via Go-based automation framework and CI/CD optimization.
- Leading development of **HSMs Manager** (React/GoLang), a centralized platform for Next-Gen HSM lifecycle management.
- Architected OAuth2 compliance & implemented Swagger/OpenAPI, enabling secure third-party integrations.

Thales DIS | Software Engineer

FEBRUARY 2021 – DECEMBER 2023

- Reduced manual setup time by **80%** with React-based management interfaces for hardware provisioning.
- Developed **Cloud-HSM Provisioning Broker** (GoLang/MySQL) for automated, cloud HSM provisioning.
- Engineered OSB-compliant microservices for seamless integration with Google Cloud Platform.

KEY ENGINEERING PROJECTS

HSMs Manager (Next-Gen Unified Platform) | 2025 – Present

- Impact:** Unified HSM management, **80% faster client onboarding** via OAuth2 flows.
- Technologies:** GoLang, React, OAuth2, GCP, Microservices, REST APIs.

Cloud-HSM Provisioning Broker (Automated Infrastructure) | 2021 – 2025

- Impact:** OSB-compliant microservice for automated HSM provisioning; **70% manual setup reduction**.
- Technologies:** GoLang, Microservices, Docker, MySQL, OSB API.

AWARDS & RECOGNITION

US Patent Filed (2025): Architected "System and Method for Remote PIN Mailing"—an innovative security infrastructure for cryptographic API authentication.

Thales DIS CTF Global Finalist: Consistent Top Performer: Ranked 3rd, 4th, and 5th globally in 2023, 2024, and 2025 respectively.

Thales Spot Award (2023): Recognized for innovative security infrastructure and Xtra-Mile contribution.

EDUCATION

B.Tech in Information Technology | Amity University, Noida | **2017 – 2021**

Focused on Cryptography, Distributed Systems, and Advanced Data Structures.