

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, AWS, Azure, Docker, Kubernetes
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/MongoDB) for automated, multi-cloud HSM provisioning.
 - Engineered OSB-compliant microservices for seamless integration with AWS, Azure, and Google Cloud.

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, MongoDB, OSB API.
- Financial Security Platform (Web3 Startup) | 2021 – 2023**
- Impact:** Secure crypto-wallet architecture facilitating **\$10M funding** for 100k+ active users.
 - Technologies:** React.js, Web3.js, GoLang, Blockchain, Merkle Trees.

AWARDS & RECOGNITION

- US Patent (2025):** System and Method for Remote PIN Mailing for secure 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.