

Shashank Mahajan

Senior Full-Stack Developer

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PROFESSIONAL EXPERIENCE

Thales DIS - Noida, India

Senior Software Engineer | *January 2024 - Present*

Lead Full-Stack Developer - HSMs Manager (Current Project)

- **Leading end-to-end development** of HSMs Manager, a centralized React/GoLang solution for monitoring and managing next-generation Thales HSM Payment products.
- **Architected OAuth2 compliance improvements** for HSM REST APIs, identifying critical security flaws and proposing solutions that enabled seamless third-party integrations, reducing client onboarding time by 80%.
- **Built real-time fleet management dashboard** enabling customers to centrally manage multiple HSM devices, reducing operational overhead by 90%.

Previous Achievements:

- **Engineered scalable automation framework** using builder design pattern in GoLang, reducing test creation time by 50% and improving tester adoption rate by 75% across 3 development teams.
- **Led AngularJS to Angular migration** for enterprise application, resulting in 20% performance improvement and 50% reduction in maintenance overhead.
- **Implemented high-performance RESTful APIs** in GoLang supporting 10,000+ concurrent users with 99.9% uptime, reducing backend response times by 40%.
- **Resolved 90% of customer technical queries**, maintaining customer satisfaction.
- **Automated CI/CD pipelines** using GitLab and Bamboo, reducing deployment time from 2 hours to 20 minutes and achieving zero-downtime deployments for 2+ microservices.
- **Containerized and deployed 2+ GoLang services** on Google Cloud Platform, reducing infrastructure costs by 35% and improving scalability by 300%.
- **Mentored 2 junior developers and interns**, reducing their onboarding time from 4 weeks to 2 weeks and achieving 100% retention rate.

Software Engineer | *February 2021 - December 2023*

- **Developed Gambit Service Broker** - OSB-compliant microservice enabling automated provisioning of Thales HSMs in cloud environments, adopted by 50+ enterprise clients.
- **Built Gambit React Web Application** - Full-stack solution providing intuitive interface for HSM provisioning, reducing manual setup time by 80% and improving user experience.
- **Implemented comprehensive REST API suite** adhering to Open Service Broker specifications, enabling seamless integration with AWS, Azure, and GCP platforms.

KEY TECHNICAL PROJECTS

HSMs Manager - HSM Fleet Management Platform

React.js, GoLang, OAuth2, REST APIs, Google Cloud Platform

- Enterprise-grade centralized management platform for Thales HSM devices.
- Real-time monitoring dashboard with custom analytics and alerting system.
- Secure OAuth2-compliant authentication with custom IDP implementation.
- **Impact:** Streamlined operations for enterprise customers, reducing management overhead by 90%.

Gambit Service Broker & Web Application

GoLang, React.js, Microservices, Docker, GCP, OSB Specification

- Cloud-native service broker for automated HSM provisioning in hosted environments.
- Full-stack web application with intuitive React interface consuming RESTful APIs.
- Successfully pitched POC to product stakeholders, approved for production deployment.
- **Impact:** 70% reduction in manual HSM setup time, 50+ enterprise client adoption.

DISCREET - Cryptocurrency Platform

React.js, Web3.js, Blockchain Integration

- Web3-enabled platform for Danish cryptocurrency startup.
- Helped raise \$10 Million via IOU tokens to support platform development and expansion.
- Integrated cryptocurrency purchase gateway with secure wallet connectivity.
- **Impact:** Enabled seamless crypto transactions for 1,00,000+ users.

LITSOC - Audio Literary Social Platform

React.js, Express.js, MongoDB, Python, ML Algorithms

- Social media platform specializing in audio literary content.
- Implemented dual recommendation systems (personalized & generalized) using Python ML algorithms.
- **Impact:** 85% user engagement rate with personalized content recommendations.

TECHNICAL SKILLS

- **Specializations:** Full-Stack Development, API Design, Cloud Architecture, Security Implementation.
- **Frontend Technologies:** React.js, Angular, Web3.js.
- **Backend Technologies:** GoLang, Node.js.
- **Databases:** MongoDB, MySQL, Firebase.
- **Cloud & DevOps:** Google Cloud Platform, Docker/Podman, GitLab CI/CD, Bamboo.
- **Tools & Frameworks:** Swagger/OpenAPI, OAuth2, SAFe Agile, Git.

EDUCATION

Bachelor of Technology in Information Technology

Amity University, Noida | 2017 - 2021

CGPA: 7.72/10 | **Percentage:** 77.2%

ACHIEVEMENTS & CERTIFICATIONS

- **CTF Achievements at Thales DIS** | *June 2023 & July 2024*
 - Earned 3rd and 4th place in Capture The Flag competitions, showcasing advanced problem-solving and cybersecurity expertise.
- **Thales Spot Award - Xtra Miler Award** | *January 2023*
 - Recognized for creative problem-solving and leadership in resolving critical project challenges.
 - Demonstrated exceptional user-centric solution delivery and cross-team collaboration.
- **GeeksForGeeks - Data Structures & Algorithms Certification** | *February 2019*
 - Comprehensive certification covering advanced DSA concepts and implementation.