

TONY NOUHRA

Full-Stack Software Engineer | Python · React · Java | DevOps & Microservices

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Full-Stack Engineer with 4+ years building secure, scalable microservices and modern web applications. Strong command of Python (FastAPI, Flask), Java/Spring Boot, and React.js, backed by a solid DevOps foundation in Docker, Kubernetes, and GitLab CI/CD. Experienced in Agile delivery, REST API design, and high-availability production systems, with domain depth in secure enterprise and telecom platforms. Dual Master's degrees; trilingual (English, French, Arabic).

TECHNICAL SKILLS

Languages: Python, Java, JavaScript/TypeScript, Go (learning), SQL, Bash

Frontend: React.js, Next.js, HTML5/CSS3, Tailwind, Bootstrap, REST/JSON APIs

Backend: FastAPI, Flask, Spring Boot, Node.js, REST, Microservices Architecture

Databases: MongoDB, PostgreSQL, MySQL, Oracle, Redis

DevOps & Cloud: Docker, Kubernetes, GitLab CI/CD, Jenkins, Flux CD, Nginx, Linux

Messaging & Cache: RabbitMQ, Kafka, Celery, Redis Queues

Testing & Quality: Unit Testing, Integration Testing, SonarQube, Code Review, Load Testing

Security: OAuth2 / Keycloak, mTLS, PKI, HSM Operations, Secure Coding Practices

Methodologies: Agile/Scrum, Git Flow, Microservices, Event-Driven Architecture

PROFESSIONAL EXPERIENCE

Monty Mobile — Beirut, Lebanon

Jan 2021 – Present

Software Engineer — R&D Department

Full-Stack Development

- Designed and delivered **secure, scalable microservices** using **Python (FastAPI, Flask)** and **Java/Spring Boot**, exposing REST APIs consumed by internal dashboards and external partners.
- Built **responsive React.js** administration dashboards and internal tools used daily by operations teams, improving workflow visibility and cutting manual reporting time by ~30%.
- Led full-stack feature delivery end-to-end — from **user stories and sprint planning** through **coding, unit testing, code review, and UAT support** — in Agile/Scrum teams.
- Authored **technical documentation** for APIs, integrations, and deployment runbooks, standardizing onboarding for new team members and cross-team collaboration.

DevOps & CI/CD

- Implemented and maintained **GitLab CI/CD pipelines** with Docker-based build, test, and deploy stages, improving deployment speed by ~40% and reducing post-release defects by ~25%.
- Containerized applications with **Docker** and orchestrated production workloads on **Kubernetes** clusters across dev, staging, and production; managed GitOps delivery via **Flux CD**.
- Integrated **SonarQube** code quality analysis and automated performance/load testing into the development workflow, reducing manual QA effort by ~20%.
- Configured **Nginx** reverse proxies, TLS termination, and **MinIO S3-compatible** storage for containerized services.

Backend & Platform Engineering

- Owner of multiple mission-critical backend platforms handling high-volume transactional workloads; designed **MongoDB aggregation pipelines** and query optimizations that improved data retrieval performance by **35%**.
- Implemented **mTLS authentication** and **OAuth2/Keycloak** integration to secure service-to-service communication across distributed microservices.
- Deployed **monitoring and alerting** for production services, cutting system-issue response time by ~30% through proactive incident detection.
- Domain experience in **telecom / eSIM provisioning** (GSMA SM-DP+, ES2+/ES9+/ES12, HSM key operations) — delivering GSMA-compliant workflows and reducing security incidents by 50% through hardened cryptographic handling.

EDUCATION

Lebanese University — Beirut, Lebanon

2019 – 2021

Master's Degree — Cyber Security (2021) • Master's Degree — Computer Science (2020) • B.Sc. Computer Science (2019)