Jonathan Rosenboim

rosenboimjonathan@gmail.com | github.com/johnyrose

A senior backend engineer with **9 years of experience** in IT and software engineering. I have a history of delivering under pressure and leading the development of features from the whiteboard to production, including overseeing multiple developers and providing constant & clear feedback to management.

Skills

Programming Languages: Python, TypeScript / JavaScript, Golang, Java, C#, Bash
Technologies & Frameworks: Serverless framework, Django, FastAPI, Flask, Celery, Pytest, SQLAlchemy, Pydantic
Tools & Products: Linux, Docker, Kubernetes, Helm, Git, RabbitMQ, HashiCorp Vault, gRPC, Nginx, ELK Stack
Cloud providers: AWS (Lambda, SQS, EventBridge, Kinesis, EC2, Step Function and more), Azure
Databases: MongoDB, DynamoDB, PostgreSQL, Amazon Timestream, SQL Server (MSSQL), Redis
Software development: Frontend & backend design, cloud & system architecture, security best practices
AI: Experience with using AI for development as well as implementing it in products, including agents & LLM benchmarks
Other relevant proficiencies: SOLID Principles & design patterns, REST APIs, Unit, Integ & Component testing, OAuth2
Personal skills: Leading features with efficient communication, working closely with clients ensuring smooth experience.

Experience

Senior Backend engineer, Jit.io, Tel Aviv, Israel   Jan 2022 – Present
- Designed and developed a DevSecOps platform aimed at easing the implementation of security practices in small, mid-sized and large organizations.
- Led the development of an orchestrator for running security tools, offered both as SaaS and an on-prem solution on Kubernetes and other environments.
- Led the development of a SAAS product's onboarding flow, optimizing both the frontend and backend to enhance user experience, resulting in a 50% increase in conversion rates
- Architected an event-driven serverless and scalable metric collection system utilizing EventBridge, Timestream, Kinesis Firehose, and Lambda, allowing an advanced view of statistics for users and internal use
- Developed a scalable backend solution for storing and aggregating security findings on AWS using MongoDB, Step Function, SQS, and other services, providing a smooth user experience and improving user retention by 27%

Backend engineer, Israeli Military Intelligence, Tel Aviv, Israel   Feb 2019 – Jan 2022
- Designed and implemented a cloud-based network research platform tailored to meet the specific needs of security researchers, delivering significant improvements in performance and usability over the previous solution
- Developed a robust REST API backend using Django following RESTful design guidelines, resulting in a fast and intuitive experience.
- Created a Python library to facilitate programmatic access to the platform, which was widely adopted due to its simplicity and ease of use, receiving positive feedback from end-users.
- Managed the full deployment of the system on Kubernetes, ensuring high availability and scalability.
- Optimized the team's performance by building the CI/CD pipeline using Gitlab CI, personal dev environments using Helm, and periodic backups of the databases and important data, resulting in efficient development & operations.

DevOps engineer, Israeli Military Intelligence, Tel Aviv, Israel   Dec 2016 – Feb 2019
- Architected and managed an on-prem Kubernetes environment consisting of hundreds of nodes and multiple clusters, ensuring high availability and scalability for mission-critical applications.
- Implemented CI/CD solutions using Gitlab CI, Helm, Docker, and Terraform.
- Maintained an array of Linux servers and virtualization infrastructure (VMware).
- Set up middlewares used by production applications with a high scale, including MongoDB, RabbitMQ and HashiCorp Vault, supporting high-performance and secure application deployments.

Education

AWS Certified Solutions Architect - Associate (SAA-C03)   Achieved 2020, renewed 2023
Bachelor (BA) in Economics & Business Administration - Bar Ilan University