

EMPLOYMENT

Associate SDE (Grad Program) Cisco Systems March 2023 – Present

- Built and deployed software solutions for software-defined networking in a microservices event-driven architecture with gRPCs and REST APIs in Golang (Gin) and Python (Flask)
- Improved performance of platform response times by 60%
- Used event-driven architecture with buses, messaging, queues (Kafka, RabbitMQ) and caching (Redis)
- Tested AI (LLM/CV neural networks) actionable insights on real-world data through software solutions
- Developed software and business process automation for EMEA's biggest internet service providers
- Led integration of generative AI solutions for achieving an autonomous network and NetDevOps (actionable insights generated out of network insights, prompted as text to open source LLMs)

Software Engineer Trainee CX Unicorn March 2022 – Dec 2023

- Package management and open-source contribution in Golang libraries (authentication and key management) – integrated into every authentication layer across teams
- Implemented the only internal system for identity management, authorization and authentication (OAuth) and implemented OAuth 2.0 flows
- Engineered high-performance, scalable backend services in Golang and Node.js built integrated with Microsoft Partner products like Teams, Power BI, Azure AD, Azure AI
- Added tracing and HTTP request logging – open-source package was used across all microservices

Dubai Electronic Security Center

Software Engineer, Intern Jun 2020 – Nov 2020

- Recruited by government of Dubai for web projects in ethical hacking and penetration testing

EDUCATION

Sharjah, UAE American University of Sharjah Fall 2017 – Summer 2023

- Bachelor of Eng in Computer Engineering; Published in reputable journals in artificial intelligence, neural networks, deep learning, computer vision, CNNs, transfer learning: [MDPI](#), [IEEEExplore](#), [Springer](#)

New Haven, CT, USA Yale University Summer 2016

- Fully sponsored Yale Young Global Scholars Program for highly distinguished students (leadership award).

PROJECTS

- **TheWindow.** Launching UI browser web app to simulate tasks (Python, Puppeteer, GPT4v).
- **HTTP Wrapper Request Tracer Library.** Published Golang open-source HTTP request tracing wrapper to keep track of request IDs and effective logging (used as HTTP client in all microservices).
- **Key Management Library.** Published Golang open-source key management & encryption for storing and managing keys, used company-wide during my training.

Languages and Technologies

- **Programming:** C++; Golang; Python; Rust; JavaScript; SQL
- **Frameworks:** Node.js; Express.js; Flask; React; Gin
- **Tools/Databases:** Git; PostgreSQL; Docker; Kubernetes; CI/CD; Linux; Redis; MongoDB
- **AI:** Deep Learning; Computer Vision; Tensorflow; PyTorch; Prompting; Set-of-Mark Prompting