Amirhossein Lashkari

TypeScript & Golang Developer

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EXPERIENCE

SMARTPATH | INTEGRATION DEVELOPER
September 2024 - Now | Tehran, Iran

Designing an IaaS application using Apache CloudStack.

➔ Integrate Apache CloudStack with WSO2 to build VM, network, etc.

LINKAP | BACKEND DEVELOPER
Oct 2022 - Jun 2024 | Tehran, Iran

Engineered an advanced IoT application supporting various protocols and brands.

➔ Refactored backend architecture in NestJS to accommodate a growing customer base, improving system scalability and performance.
➔ Reduced the application reaction time up to 30% by implementing Server-Sent Events (SSE).
➔ Migrated the database from MongoDB to Influx, increasing the retention period of device data from 1 to 12 months, thus improving data availability and analysis.
➔ Added support for new protocols including LoRaWAN and DLMS, alongside Zigbee, expanding the application's versatility and market reach.
➔ Developed a robust access control system integrating RBAC and ABAC, enhancing security and user control over individual device access.

CRYPTOBAZ | FULL STACK DEVELOPER
Jan 2022 - Jul 2022 | Tehran, Iran

Technical design and initial development of an NFT marketplace.

➔ Developed key features such as wallet creation and crypto-transfer using Solidity.
➔ Implemented connect wallet and ERC1155 creation using Alchemy and Hardhat.
➔ Set up testing procedures on Ganache, simulating transactions in a controlled environment to ensure system reliability and security.

SMARTPATH | SOFTWARE ENGINEER
Dec 2019 - Sep 2021 | Tehran, Iran

Integrating major applications using WSO2 in an OpenAPI company.

➔ Integration development of Ewano and MyMCI applications.
➔ Developed a web application allowing non-technical users to generate Synapse XML code.
➔ Designed a graphical interface based on Eclipse's DataMapper using Canvas.
➔ Contributed to a scope management system to authorize OpenAPI clients.

PERSONAL PROJECTS

➔ Learning Angular basics, working with forms, observables, directives, and NgRx.
➔ A tax calculator written in Go to become familiar with I/O reading from prompts.
➔ A Rest application for event booking in Go to work with pointers and interfaces.
➔ A micro-service architecture application utilizing Docker, Kubernetes, GitHub Actions and NATS Streaming Server as an event bus.
➔ A social network application powered by NodeJS, GraphQL and Websockets.

SKILLS

PROGRAMMING

Proficient:
JavaScript • TypeScript

Intermediate:
Golang

Familiar:
Python • Bash • Solidity

FRAMEWORKS/TOOLS

Proficient:
NestJS • NodeJS • WSO2

Intermediate:
Docker • Angular • NextJS • React • Redux • Redis • MQTT • InfluxDB • Postgres

Familiar:
Kubernetes • AWS • Nginx • gRPC • NATS • NATS

EDUCATION

UNIVERSITY OF OLOOM TAHGHIGHAT

BACHELOR'S IN BIOMEDICAL ENGINEERING
BIO-ELECTRICS
2011-2016

CERTIFICATES

QUERA BOOTCAMP

SOFTWARE ENGINEERING WITH GOLANG

➔ Advanced Golang
➔ Domain Driven Design
➔ Hexagonal Architecture
➔ CQRS
➔ Outbox Pattern