zeinab.hajhosseini72@gmail.com

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Tehran, Iran

Skills

Nest JS
Node JS
JavaScript ES6
Typescript
Amazon Web Services AWS Lambda, RDS
Restful API
Database (MySQL, Mongo DB, Postgres, Redis)
Git
Identity & JWT APIs
agile methodology
socket programming
C/C++ programming
C# programming
Cryptography & Security Concepts
Telecom Protocols
Blockchain
Embedded Programming
Linux lpic-1 & lpic-2

Education

Master of IT (2016 – 2019)

Branch: Secure Computing
Shahed University, Tehran, Iran

BSC of Computer Engineering (2011 -2015)

Branch: Hardware Engineering
Shahed University, Tehran, Iran

Zeinab Haj Hosseini

Back-End Developer

Date of Birth: 7/6/1993
Marital Status: Married

I'm a back-end web developer with experience building websites and web applications. I have a master's degree in information technology, in the secure computing field, and I'm interested in learning about security, cryptography, programming, and new technologies. With more than 7 years of industrial development experience, I have worked on various projects. One of my top skills is Typescript, and I have professional experience with Express.js and NestJS. In addition, I have experience developing websites using NodeJS, JavaScript, C#, etc. As part of the deployment of my project, I worked with AWS and Digital Ocean services.

Work Experience

▶ **Full Stack Developer (**September 2022 - present**)**

buildyourd2c, Toronto, Canada

Tasks and Achievements

■ Developing app with Amazon advertising and seller central APIs utilizing AWS Lambda functions and RDS database

▶ **Senior Back-End Developer (**May 2021 - September 2022**)**

CoinIran, Amsterdam, Netherlands

Tasks and Achievements

■ Implementation of blockchain explorers for Bitcoin and Ethereum
■ Implementation of an admin panel for managing users and reporting statistics
■ Implementation Back-End of mobile application about prediction cryptocurrency

▶ **Security engineer and System-based Developer (**May 2020 - May 2021**)**

Hamtah Sharif, Tehran, Iran

Tasks and Achievements

■ Documentation for ISO-15408 (Security Target and Protection Profile) and Security Engineer
■ Programming and development of the Xen hypervisor at the Linux kernel level
■ Real-Time operating system development and implementation of ARINC-653 services

▶ **Back-End Developer (**January 2016 - May 2020**)**
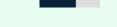
SGI, Tehran, Iran

Tasks and Achievements

■ The development of telecommunications traffic monitoring systems and the creation of databases related to telecommunication interfaces
■ Developing a VOIP traffic extraction CDR system

Certificates

▶ **CCNA routing & switching** (Cando)

▶ **Linux lpic 1 & 2** (Laitec Sharif)

▶ **Security+** (Laitec Sharif)

▶ **3G-4G Mobile Network Concepts and Protocols** (SGI)

Research

▶ **Implementation of a countermeasure method against DPA on McEliece Post Quantum Cryptosystem (Master Thesis) -** August 2019
Publisher : Shahed University

▶ **Compression of color images using PCA (Bachelor Project) -** August 2015
Publisher : Shahed University

Projects

▶ **Reporting and diagnostic tool to get data from the Amazon SP and AD API (**Build Your D2C) - September 2022
I implemented both the Front-End and Back-End components of this project. I implemented the UI using WPF in C#, and the back-end with NodeJS. This project is deployed using AWS Lambda functions and the database is MySQL on AWS RDS. Reporting and diagnostic tool to get data from the Amazon SP and AD API. This tool can be used to visualize organic sales, ad performance, and P&L reports at the account, product group, and product level.
Link : https://buildyourd2c.com/reporting-tool/

▶ **Back-end of a blockchain-based mobile application** (CoinIran) - August 2021
Currently, this project is being developed for publication on the Google Play Store and Apple App Store. I was responsible for the implementation of its back-end using the NestJS framework, which includes REST web services, web sockets, scheduling methods to check the status of instantaneous data, Firebase notifications, etc.

▶ **Admin panel of ramzarz.info** (Coiniran) - July 2021
Implement webservices based on administrative and statistical data about users activities
Link : https://admin.ramzarz.info

▶ **Bitcoin and Ethereum explorer (**Coiniran) - May 2021
In this project, I implemented Bitcoin and Ethereum explorer data APIs using the NestJS framework.
Link : https://ramzarz.info/explorer/bitcoin

▶ **Real-time operating system based on the ARINC-653 standard (**Sepahan Airlines) - May 2020
In this project, the real-time OS desired by the client was implemented using Xen hypervisor and host systems based on RTEMS operating system. It was my responsibility to develop some of the ARINC-653 standard services called APEX, written in Xen and RTEMS source code and using system hypercalls.
Link : www.hamtasharif.com/

▶ **CanKash** (SGI) - March 2018
CanKash is a network performance monitoring system for mobile networks that supports 2G, 3G, 4G. CS / PS probes collect CDR from network interfaces to generate key performance indicators. In this project, I was responsible for implementing and decoding protocols and producing CDRs in Gx, Gy, Radius and Diameter telecommunication interfaces and sending them to MySQL and Vertica databases. Link : https://sgi.ir/cankash-npms?lang=en

▶ **CDR extraction program for VOIP calls** (SGI) - September 2017
In this program, which is implemented using C programming language and in Linux platform, Call Detail Records (CDR) are extracted from VOIP traffic using SIP and RTP protocol decoding and audio files related to each call are stored.

▶ **Capture network traffic data and send it to different servers** (SGI) - July 2016
In this project, which is implemented using C programming language and implemented in Linux platform, the incoming traffic of the telecommunication network is stored in the form of files in pcap format and is sent to different servers separately by defining telecommunication protocols and defining filters on the traffic.