Armin Sabouri

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EXPERIENCE

Casa, Boston, MA— *Software Engineer*

June 2020 - Present

Develop and maintain Casa's Bitcoin multisig coordinator service.

Architect, develop and deploy a web application responsible for aggregating signatures from hardware wallet cosigners.

Design and Develop a self-custody lightning wallet on self-hosted LSP infrastructure.

Develop the user facing SASS web application and backend supporting several payment providers including BTC Pay, Stripe, Apple's Store Kit, Google Play.

Design and build multiple components of the ETH multisig application, including a hot wallet for handling smart contract interactions and an EOA Android wallet.

Develop and maintain the data pipeline and data warehouse solution hosted on AWS. Built using terraform, Apache Spark, AWS Glue, S3 and Redshift.

Design, implement, and manage a microservices architecture on AWS, comprising multiple microservices. Using AWS ECS, ECR, and Lambda functions.

NormaTec, Boston, MA— *Embedded Systems Engineer*

Jan 2019 - June 2020.

Design, develop, implement, and test embedded software in various soft real-time medical devices using **C** and **C++** on top of RTOS's such as **FreeRTOS.**

Develop multiple versions of a mobile application using **React Native.** And developed its corresponding **Node JS** backend service.

Develop the user facing e-commerce web application that constitutes ~75% of business revenue, using **React, Redux, SCSS,** and **Typescript**. Develop the e-commerce RESTful API service in **.NET, EF** and **MySql**

Architect, develop, and launch an application to factory lines, designed to calibrate and test medical devices before they enter the field in **.NET**

MIT, Cambridge, MA— *Full Stack Engineer*

Oct 2017 - Jan 2019

Developed a web application for students, faculty, and staff, where users can create, update, or view department/personal resources including student forms, departmental policies, and a department wide intranet designed to manage space. Technologies used included **PHP7, MySQL, JQuery,** and **CSS3.**

SKILLS

Language Skills: TS, JS, Python, C#, C, Embedded C++, Bash. Proficient in Rust, Java, PHP

Technologies: .NET, Xamarin, Git, Node.js/Express, Flask, Vue, JQuery, React, React Native, GCP, AWS, Terraform

Hardware Protocols: I2C, SPI, UART, RS232, USB, BLE

Database: SQL Server, MySql, MongoDB, RocksDB

Data Science: Proficient in data analytical libraries in Python (including Pandas, Scikit Learn, Numpy, Keras coupled with Tensorflow). Apache Spark

Operating Systems: Linux, Mac OS, FreeRTOS

Bluum, Boston, MA— *Full Stack Engineer*

Summer 2018 (Part-time Contract)

Contributed to several front end applications using **React and Redux.** Led the development of several RESTful API services using **PHP/Lumen**. Managed deployment on **Google Cloud Platform**.

Reggora Inc, Boston, MA — *Full Stack Engineer*

June 2017 - September 2017

Massachusetts General Hospital, Boston, MA— *Data Science Intern*

May 2017- Oct 2017

EDUCATION

Boston University, Boston, MA — *Computer Science, BS*

Sep 2016 - May 2019

Suffolk University, Boston, MA — *Computer Science, BS*

Sep 2015 - May 2016 (Transferred)

RECENT HONORS/ACTIVITIES

NoLooking - 3rd place Bolt.fun Lightning Hackathon

Sep 2022 - Dec 2022

Boston BitDevs Co-Host

Sep 2022 - Current

ChainCode Bitcoin Protocol Development Seminars

Sep 2022 - Nov 2022

Onion78 - MIT Bitcoin Hackathon Winner

April 2021

Chain Case - Bitcoin Privacy Focused Wallet Open Source Contributor

Jan 2020

BU CS Mentor

Sep 2017 - May 2019

Suffolk University Academic Scholarship Sep 2015 - May 2016

Suffolk University Honors

Sep 2015 - May 2016