

Armin Sabouri

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EXPERIENCE

Casa, Boston, MA— *Software Engineer*

June 2020 - Present

Maintain and improve 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 various components of an ETH multisig application, including a hot wallet for managing smart contract interactions and an EOA Android wallet.

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

Design, implement, and manage a microservices architecture on AWS using AWS ECS, ECR, and Lambda functions to build and deploy multiple microservices.

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

Design and develop a web application for students, faculty, and staff to manage departmental and personal resources such as student forms, departmental policies and intranet to manage space. Built using 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