

# Armin Sabouri

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## EXPERIENCE

### Casa, Boston, MA— *Software Engineer*

June 2022- Present

Developed and maintained the Bitcoin multisig coordinator service

Architect, develop and deploy web application responsible for aggregating signatures from hardware wallet multisig participants

Develop a self-custody lightning wallet on self-hosted lightning infrastructure

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

Develop multiple components of the ETH application including a hot wallet responsible for contract smart contract interactions and the EOA Android wallet.

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

Develop and maintain AWS hosted microservices architecture and several microservices

### NormaTec, Boston, MA— *Embedded Systems Engineer*

Jan 2019 - June 2020.

Design, develop, implement, and test embedded software in various soft real-time pneumatic compression systems using C and C++ on top of RTOS such as FreeRTOS.

Develop multiple versions of an already published mobile app using React Native, Sagas, Redux and its corresponding Node 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: Proficient in .NET, Xamarin, Git, Node.js/Express, Flask, Vue, JQuery, React, React Native, Entity framework, 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 an API service for a web portal intended to be used by retail managers created in **Lumen**. Managed deployment on **Google Cloud Platform**.

## **Reggora Inc, Boston, MA — *Software Engineer Intern***

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 -- GPA: 3.33

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

Sep 2015 - May 2016 (Transferred) -- GPA: 3.98

## **RECENT HONORS/ACTIVITIES**

### **NoLooking - Bolt.fun Lightning Hackathon Participant**

Sep 2022 - Current

### **Boston BitDevs Co-Host**

Sep 2022 - Current

### **ChainCode Bitcoin Protocol Development Seminars**

Sep 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