

# Emiton Alves

Providence, RI | E-Mail: emitonalves@gmail.com | www.emiton.io | www.github.com/Emiton

## EDUCATION

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**University of Rhode Island, M.S. Computer Science, 3.6/4.0 GPA**

Kingston, RI | **August 2020**

Relevant Courses: Algorithms for Big Data, Object Oriented Programming, Data Structures, Machine Learning, Design and Analysis of Algorithms, Computer Architecture, Software Engineering Methodology

**CareerDevs, 9 Month Programming Bootcamp**

Providence, RI | **December 2018**

**University of Rhode Island, International Engineering Program**

Kingston, RI | **December 2016**

Bachelor of Science in Mechanical Engineering

Bachelor of Arts in German

**Technische Universität Braunschweig, German Studies**

Brunswick, Germany | **August 2016**

## EXPERIENCE

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**Amazon, Fullstack Software Engineer**

Westborough, MA | March 2020 – Present

- Developed monitoring framework designed to aid in CI/CD of tier-1 services
- Designed and re-architected legacy services into cloud native applications
- Assisted in development of high throughput applications processing millions of requests using a microservice architecture
- Managed high severity incidents as a part of the on-call rotation which included investigation and remediation

**URI/Massachusetts Disabled Persons Protection Commission, Mobile Developer** Kingston, RI | August 2019 – March 2020

- Developed accessibility focused mobile applications designed to aid disabled populations in reporting abuse
- Conducted usability testing for mobile applications through workshops and questionnaires
- Rapidly designed wireframes and prototypes for research committee

**Twitter, Software Engineering Intern**

Cambridge, MA | June 2019 – August 2019

- Created real-time ETL pipeline which consumed and processed client events
- Transformed billions of events daily and created simplified data structures for use by internal teams
- Deployed application on distributed cloud architecture using scalable practices
- Served data to dashboards and logging services for visualization and alerting purposes

**FM Global, Software Engineering Co-op**

Johnston, RI | January 2019 – May 2019

- Created configuration tokenization script which automated environment configuration and reduced deployment time by 30%
- Modernized error monitoring system from email alerts to an internally accessible web interface for engineers
- Designed testing suite for document migration application

**Continental Tires AG, Design Engineering Co-op**

Hannover, Germany | March 2016 – August 2016

- Developed and managed new polymer mixing process which led to higher elasticity of production polymers
- Drafted 3D CAD models for experimental manufacturing equipment undergoing testing in development
- Designed manufacturing layout in order to increase production throughput of polymer sheets by 100%

## TECHNICAL SKILLS

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**Programming Languages:** Java, C#, Scala, Flutter, Python, React, JavaScript, HTML, CSS

**Technologies/Methodologies:** Git, GitHub, Amazon Web Services (AWS), REST APIs, HTTP, Linux, SQL, Postgres, Kafka, Mesos, Aurora, JIRA, Agile, Scrum

## PROJECTS

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**Stock Portfolio Monitoring Tool - (C#, Selenium WebDriver, SQL)**

- A watchdog application which follows a user's stock portfolio and sends updates to user
- Periodic states of the user's portfolio are automatically recorded and saved to a database
- Ability to send updates via email or SMS

**Virtual Machine - (C, Bash)**

- A 32-bit virtual machine which was written from scratch and can run binary files
- Used bit manipulation to extract necessary data from incoming files

**JPEG Image Compressor - (C, Bash)**

- Applied a luminance-chrominance transform to reduce images to 30% of original size

**Personal Website - (HTML, CSS, JavaScript)**

- Portfolio website built with HTML, CSS, and vanilla JavaScript

## TEACHING

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**Lead Tutor - Computer Science Diversity Program, University of Rhode Island**

**Head Teaching Assistant, Object Oriented Programming (CSC 211)**