

# Emiton Alves

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

## EDUCATION

**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

**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
- Architected and built interface which allowed limited third-party access of in-house hardware. Application included mobile app and cloud-powered serverless backend
- 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

**Programming Languages:** Java, JavaScript, TypeScript, Ruby, React, HTML, CSS

**Technologies/Methodologies:** Git, GitHub, Amazon Web Services (AWS), REST APIs, Linux/Unix OS, MySQL, Postgres, JIRA, Agile, Scrum

## PROJECTS

**Kriolish.com, Crowdsourced Creole Translations - (TypeScript, React, S3, Cognito, Lambda, Elasticsearch, DynamoDb)**

- Web application which provides search interface for the rare CapeVerdean creole language
- Users can create a profile, search for translations, submit translations, and rank the quality of translations
- Application uses serverless architecture not including the self-hosted Elasticsearch instance

**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

## TEACHING

**Instructor - CS50, University of Rhode Island**

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

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