Damon Rocha

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[LinkedIn](#)| [Blog](#) | [Portfolio](#)

SOFTWARE ENGINEER

Hi, my name is Damon Rocha. I am an experienced programmer with over 6 years of experience in C++, node, angular, React, python, Unreal Engine, Ruby on Rails, and Rust. I love to build projects that work with numbers, technology, algorithms, or anything that just makes life better.

Due to a math background from my time in college, I have a detailed Advanced Math, Calculus, and Physics background centered around electronics and science. As far as my soft skills go, I possess strong skills in agile project management, technical presentation skill, team collaboration, and supporting my team.

Thanks for reading my Bio. If you have any further questions you can contact me via email. Thank you.

TECHNICAL SKILLS

Angular, C#, AWS, AI, Machine Learning, Statistics, Ruby, Rails, SQL, Javascript, React, Vue, C++, Python, Computer Science, Computer Assembly, and x86 Assembly language, Electrical Engineering, Mechatronics

TECHNICAL PROJECTS

Vanguard Open Account Application - [Open Account App](#)
Angular node AWS ECS application takes users through a flow based off selection to create investing accounts
- Worked with team to implement routing, views, and logic for SEP-IRA Flow, Client Flow, Trust flow
- Brainstormed ideas to mitigate fraud in application
- Worked with team to implement secrets manager, S3, google reCAPTCHA, DynamoDB, page view timer, and honeycomb logging in application
- Implemented unit tests, 100% coverage tests, cypress integration tests, and bamboo pipeline to build and test application
- Mentored new developers on code standards, testing procedure, build and deploy steps, and meeting etiquette

MossyNodes Portfolio Website - [Github](#) | [App](#)
Angular Portfolio Website Hosted on firebase

Hackathons – [Devpost Profile](#)
Various Hackathon projects that include:
- Wolfram AI Twitter Sentiment Detector
- Vue Orbital Mechanics Mini App
- C++ Arduino Light Seeking robot
- C++ Arduino gesture analyzer

ADVANCEME - [Github](#) | [Demo](#)
React Single Page Application with Ruby on Rails API backend, skill and goal tracker
- Regulated data using Active Record associations and rails server
- Implemented React Router to simulate separate webpages
- Created Redux store to easily use data across components
- Utilized PostgreSql database

EXPERIENCE

Vanguard   Malvern, PA
Developer I - Application Engineer I - Application Engineer II   11/02/2020-Present
- Reduced fraudulent users in app by 80% with team over the course of 3 months
- Monitored Production Application health to ensure consistent app experience
- Worked with team to implemented new user verification information feature; increased user application submits made over 1 million dollars for company
- Helped team to modernize app through routing, views, verification logic, S3 database connections, secrets manager, and AWS ECS app migration
- Finished tech debt stories that gave users a smoother experience in our app

EDUCATION

AMU Mechatronics Electrical Engineering & Space Studies – In progress
Bachelor's of Electrical Engineering with a concentration on Mechatronics — Online
Space Studies Certificate — 01/2020-12/2024

Udacity - Completed — Online
C++, Robotics Software Development Certificates — 04/01/2022-06/26/2022

Flatiron School - Completed — Online
Full Stack Web Development, Ruby on Rails and JavaScript program — 01/2020 - 06/2020

Grayson County College - Completed — Denison, TX
Associates of Science General Studies 12/2017 — 08/2015-12/2019
Associates of Science Computer Science 12/2019