

# Elijah Ally

Riverdale, MD | Active TS/CI

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[My Portfolio](#) | [LinkedIn](#) | [GitHub](#)

## SKILLS

Java, Vue, Rust, React, TS, TailwindCSS, Redux, Nuxt.js, Ruby on Rails, MongoDB, Docker, AWS, Python, Django, PostgreSQL, Node.js, Express.js, Stripe, Music Production, Surfing, Leader, Team-Player

## EXPERIENCE

Software Engineer | *React, Django, Python, AWS - S3, CloudFront, API Gateway* Aug 2025 - Present  
Vibrant: Full-Time

- Joined as a software developer, maintaining an app and deploying to prod onsite. Worked alongside multiple other developers and DevOps engineers.
- Gained hands-on experience with the awscli and AWS services including: S3, Lambda, CloudFront.
- Worked as a project lead to build a dashboard from the ground up. Talked with the customer and met with my team members frequently to plan the UI design and tech stack.

Software Engineer | *Java, SpringBoot, Maven, Vue.ts, Docker, SQL, Fullstack*

Bowhead UICGS: Full-Time Apr 2024 - Aug 2025

- Was generally considered the lead frontend developer.
- Worked as a full stack engineer on multiple apps, including developing a Java service to draw and add a chart to an existing pdf.
- Used Vue and Java to build an in-house tool for multiple teams to manage their organization chart in both a tree hierarchy & table view. This included recursion and required a deep knowledge of Vue3 and querying data in a performant manner.
- Collaborating across teams (using Microsoft Teams) to complete goals.

Software Engineer | *iOS Development, Java, React.ts, PostgreSQL, Fullstack*

Treez Inc: Full-Time Jan 2022 - Oct 2023

- Led the React Native development and maintenance of our iOS intake app.
- Gained proficiency in using the Scandit API for scanning IDs and licenses.
- Learned SCRUM and AGILE best practices as a member of our Front-of-House (FOH) team.
- Worked on our web application using React/TypeScript on the frontend and Java on the backend.
- Shared on-call responsibility, unblocking customers by debugging the technical issues they face in production, utilizing ElasticSearch, FullStory, and SSH.
- I obtained an [AWS Cloud Pract. Certification](#) (code: P0S74VCCRJE4Q2KQ - expired 09/15/2025).

Technical Instructor | *React (Class Components), JavaScript, Ruby, Python*

App Academy: Part-Time Sep 2021 - Jan 2022

- Tested applicants on their knowledge of Data Structures & Algorithms.
- Evaluated an applicant's soft skills and technical expertise in software engineering.
- Assessed if new applicants are capable of completing AppAcademy's rigorous coding course.

## PROJECTS

PGVault - [Live Site](#) | *OpenPGP.js, Nuxt, TS, TailwindCSS, S3, IAM, Drizzle ORM* Nov 2025 - Present

- Built PGVault, an end-to-end encrypted messaging platform using PGP, implementing secure chat features including message signing, per-user keyrings, and private key session handling.
- Designed and deployed a secure backend API using Drizzle ORM and PostgreSQL, supporting encrypted message storage.
- Implemented advanced privacy features: message padding, traffic obfuscation (dummy packet generation), and an encrypted image-storage pipeline using S3, presigned URLs, custom PNG steganography (text-encoded into pixel channels), with secure upload/download handling via AWS.

## EDUCATION

Rose-Hulman Institute of Technology - *BS Mechanical Engineering (DNG)*

Sep 2019 - May 2020

- Accepted into the ESCALATE program where I was introduced to the principles of entrepreneurial success, including identifying market opportunities.

AppAcademy - *Software engineer program with a 3% acceptance rate.*

Mar 2021 - Jul 2021

## ACTIVITIES

- Ran Track & Field at Rose-Hulman and in HS (short sprints)
- Learned to surf in Puerto Rico, I still try to get out when the waves are good