

Michael Alssid

Software Engineer

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🧰 PROFESSIONAL EXPERIENCE

MojoTech

Software Engineer

01/2022 – 11/2022

Providence, RI

- Ported the backend of a Rails/GraphQL/React app to Elixir/Phoenix.
- Worked on a client project centered around migrating a state education department's .NET and Java applications to AWS.
- Built a Python CLI tool to automate the migration process, which included updating source code, managing GitHub repositories, and collecting key metrics about the applications. This data was then sent to a Phoenix LiveView web application, where it was presented in user-friendly graphs and tables, enabling the client to track progress and stay informed throughout the project.
- Utilized Python and regular expressions to identify and correct over 2000 SQL injection vulnerabilities in .NET applications, significantly improving security.
- Built a Java utility library to facilitate the migration from local file storage to AWS S3 buckets, resulting in improved scalability and cost-effectiveness of the client's infrastructure.
- Responsible for providing code reviews, actively participating in team meetings, and delivering high-quality, thoroughly tested software to meet client requirements.

University of Rhode Island

Computer Science Teaching Assistant

09/2020 – 12/2021

Kingston, RI

- Assisted students with their assignments during weekly help hours and in class lectures/labs.
- Created auto-graded coding quizzes using Javascript.
- Soft skills: Communication, troubleshooting, supervising.

🎓 EDUCATION

Bachelor of Arts in Computer Science

University of Rhode Island

Minor in Cyber Security

09/2018 – 05/2022

Kingston, RI

🧠 SKILLS

Javascript | Elixir/Phoenix | HTML & CSS | Python | Java | Git | SQL | AWS (S3) | ReactJS
Node.js | Express.js | GraphQL | TailwindCSS | Docker

📁 PROJECTS

RhodyRates

- Built an application enabling University of Rhode Island students to rate and view information about courses.
- Incorporated a voting feature, inspired by Reddit, to capture student feedback without the need for comments.
- Technologies: React, ChakraUI, Node/Express, PostgreSQL, Docker

Badging Program Prototype

- Built a prototype that simulated the process K-12 computer science students in Rhode Island would go through to receive digital badges.
- Utilized Python and Pandas to read and process data directly from Google Sheets.
- Created applications in Google Forms tailored to different age groups and aligned with state computer science standards.
- Used Badgr to securely store and distribute digital badges to students.
- Technologies: Python, Pandas, Google Sheets/Forms, Badgr.