

Michael Alssid

Software Engineer

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🎓 EDUCATION

Bachelor of Arts in Computer Science

University of Rhode Island
Minor in Cyber Security

09/2018 – 05/2022
Kingston, RI

🧰 PROFESSIONAL EXPERIENCE

MojoTech

Software Engineer

01/2022 – 11/2022
Providence, RI

- Helios (Office weather display)
 - Helped rewrite the back-end of the Rails/GraphQL/React app in Elixir/Phoenix.
- Client work for a state education department
 - Worked with a team of 4 software engineers and 1 product manager to move over 30 legacy Java and .NET applications to AWS.
 - Utilized a Python CLI tool to automatically update applications. A lot of the work involved fixing bugs, vulnerabilities, and integrating the code with AWS services.
 - Wrote a Python script that used regular expressions to correct over 2000 cases of SQL injection in .NET applications.
 - Wrote a Java library to facilitate the migration from local file storage to S3 buckets.
 - Connected the CLI tool with a Phoenix Liveview web app to efficiently track the status of applications. Statistics such as technical debt and build status were displayed in graphs/tables.
 - Communicated with client and team members to deliver high quality and thoroughly tested software solutions.

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.

🧠 SKILLS

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

📁 PROJECTS

RhodyRates

- Created application enabling URI students to view and rate courses.
- Incorporates voting feature instead of comments to capture student feedback.
- Inspired by Coursicle.
- Technologies: ReactJS, ChakraUI, Express, PostgreSQL, Docker

Badging Program

- Helped build a prototype for the Rhode Island Department of Education to award badges to K-12 Computer Science students in the state.
- Badges were separated by age group and based on Rhode Island Computer Science education standards.
- Used Google Forms and Sheets to collect and store data.
- Technologies: Python, Pandas, Badgr (open source digital badge platform).