

# 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/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

### 📁 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).