# Michael Ericson

## Software Engineer

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## SKILLS

JavaScript, Typescript, Python, Rust, React, Redux, AWS, S3 Buckets, Full Stack, HTML, CSS, Node.js, Express.js, SQL, SQLite3, PostgreSQL, API, Git, Heroku, Sequelize, Markdown, Linux, Windows, Software design, Unit Testing, Data Analysis, VSCode, Database Administrator

## EXPERIENCE

**Software Engineer,** *ClaraPrice, Remote*                                                              Dec 2022 - Nov 2023
- Developed a comprehensive TypeScript system to facilitate the seamless upload and conversion of Excel files into standardized formats, enhancing data usability across the user portal with ExcelJS
- Conducted rigorous quality testing on the user portal, proactively identifying areas for improvement and generating enhancement tickets to enhance the site's usability for both administrators and end-users
- Designed and implemented robust test suites using mocha and chai for new code, contributing to the continual improvement of production pipelines and bolstering overall site stability
- Successfully deployed code changes to the production environment using AWS Elastic Beanstalk, following meticulous testing and adhering to established production release procedures

**Software Engineer Assistant,** *App Academy, Remote*                                          Jul 2022 - Dec 2022
- Mentored new engineers by administering mock interviews and coding challenges in JavaScript and Python to App Academy graduates, resulting in measurable improvement in interview success rate.
- Assisted in debugging coding issues with multiple different frameworks such as React and Operating Systems while also escalating when necessary
- Connected with students to triage obstacles and weaknesses, recommending tools and curriculum resources as needed, resulting in shortened job searches and improved student confidence levels

**Technical Support Specialist,** *Aflac, Columbus, GA*                                          Nov 2017 - Jan 2020
- Performed troubleshooting and system setup for Aflac users across locations, providing support and maintenance via telephone/remote session for software/hardware
- Wrote scripts/bat files with documentation for coworkers in order to speed up creation of basic tickets and fix issues which reduced team's overall ticket queue time by 15%
- Supported Internal Employees and External Agents on multiple different systems across the Aflac network

## PROJECTS

Feedler  |  *(JavaScript, React, HTML, CSS)*                                                          **Github**
- Acquired articles from RSS web feeds via parsing in order to populate a database of articles
- Extracted article metadata within the backend by scraping using Axios and Cheerio libraries to acquire missing images and publish dates for improving UI/UX
- Allowed users to filter articles by feed categories, websites and saved status via the Express.js backend which stores data using PostgreSQL
- Utilized Sequelize and web scraped publish dates to present unread articles prioritizing the latest articles first

EasierExcel Python Package  |  *(Python, PyPI)*                                          **PyPI** | **Github**
Built over OpenPyXL, EasierExcel is a simplification layer wrapping the OpenPyXL with new classes and methods
- Deployed build onto PyPI with full documentation and code examples
- WIP add another
- Tested with 76% coverage of the entire module using unittest and coverage.py

## EDUCATION

**Georgia College & State University** - *Bachelors of Business Administration, Management 2014*