

Grant A. Cheadle Software Engineer

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SKILLS

- 3 yrs **Javascript/Typescript** (NodeJS, ES6, Mocha, Babel, ExpressJS, ReactJS, Redux, Sequelize)
- 3 yr **Python** (Flask, Django, WTForms, PySpark, WebSockets, SQLAlchemy)
- 2 yr **Java** (JSP, JSTL, OOP programming)
- **AWS** (Lambda functions, S3). **Render** deployments, **Docker**
- **DB:** PostgreSQL, SQLite3, MYSQL, MongoDB

EXPERIENCE

Software Engineer & Instructor • *Nucamp Coding Bootcamp* • *Portland, OR*

07/2023 – 02/2024

- Led multiple software development workshops on **Node**, **Typescript**, and **Object Oriented Design Principles**
- Instructed on various topics, including **REST API** development, **HTTP Servers**, **Async Javascript**, **Network Protocols**, and **JSON**

OPEN-SOURCE ENGINEERING WORK

MochaJS | [Github](#) | [2.1 Million Dependents](#)

- Modified source code and added functionality to Mocha's reporter to format and handle **Aggregate Errors**
- Added unit tests to ensure that Aggregate Errors are consistently formatted correctly every time

JestJS | [Github](#) | [11.9 Million Dependents](#)

- Introduced support for `import.meta.resolve` in **JestJS**, allowing for the resolution of pathways and advancing further towards complete **ESM** compatibility
- Incorporated e2e tests to verify that `resolve` accurately resolves URL paths, relative string paths, and node_module name identifiers

MochaJS | [Github](#)

- Enhanced Mocha's CLI tooling to enable greater customization of the JSON reporter's output format

PROJECTS

Classroom | [Github](#) | [Live](#)

Javascript • React / Redux • Python • Flask • WTForms • CSS3 • AWS

An educational tool that allows users to emulate all of the functionality of a classroom in one place!

- Utilized **React** and **Redux** to craft a clean interface that seamlessly enabled users to create and join custom classrooms, empowering them to manage their learning environments effortlessly
- Facilitated seamless file uploads for student submissions leveraging **AWS S3**, enabling teachers to efficiently evaluate and grade student submissions

EDUCATION

App Academy Software Full Stack Web Development Bootcamp | **Spring 2023**

- Emphasis on pair programming, **DRY code**, **TDD**, **algorithms**, **REST APIs**, **scalability**, and **security**

Stanford University Design and Analysis | **Summer 2023**

- Focus on the following topics: divide and conquer, graph traversal and connectivity, sorting techniques, algorithms design and analysis, and hashing