Matthew Rush Joki

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Skills

JavaScript, React.js, Express.js, Node, Flask, Python, PostgreSQL, SQLAlchemy, Redux, C#, Java, Jasmine, Jest, Unittest, Render.com, Surge, Netlify, Elephan DB, Heroku, Git, Linux Ubuntu & Redhat, Visual Basic, Microsoft Server & Enterprise 2000, APIs, OSs, ES6, ECMA2024, COBOL, Office Suite, data structures, algorithms.

Projects

Twitter Clone
11/2023
https://warb.onrender.com

- Full-featured RESTful Twitter clone, implementing full CRUD and 12-bit hashed-based user authentication, and implemented using test-driven development using Python/Flask, bcrypt, Jinja2, and SQLAlchemy.

- Demonstrates use of session storage and environmental state to handle logged in user "g", as well as full featured front-end views using Jinja2 templates.

- Full featured CRUD backend API connects Python/Flask backend to a live Postgresql database, and the entire project is hosted Render.com.

Skills: Web Development · Flask · Python (Programming Language) · PostgreSQL · Test-Driven Development

LinkedIn Clone
11/2023
jobly-mjokipro-li.surge.sh

- Full-featured RESTful LinkedIn clone, implementing full CRUD, 12-bit hashed-based user authentication, and designed using test-driven development in Node/Express.js, ReactJS, and SQL.

- Demonstrates secure login/signup (12-bit hash), and use of local storage and environmental state to handle user login, and keep current user logged in, even if the browser window closes.

- Full featured CRUD backend API using ExpressJS, featuring verification middleware and admin access privileges for adding/updating/removing company elements.

- Implementing a live Postgresql database, the Express.JS backend API is hosted on Render.com, and the React.JS frontend is hosted by Surge.

Skills: Web Development · React.js · Express.js · PostgreSQL · Test-Driven Development

Experience

Auburn, Software Engineering Apprenticeship
July 2023 – February 2024

- 740+ hour core curriculum that covers all aspects of full-stack development including secure front-end UI design and implementation using JavaScript, React.Js, Bootstrap, and Jinja2 templates in Flask; secure back-end API design and implementation using Express.Js/Node, Flask/Python, and PostgreSQL.

-Test-driven development using Jest, Jasmine, Supertest, unit testing, and integration testing.

- Deployment of production-ready front-end and back-end web applications using Render.com, Heroku, Surge (React.JS), ElephantDB (PostgreSQL), AWS Lightsail (cloud server), and Netlify.

- Additional software/packages: axios, bcrypt, chrome dev tools, cors, curl, dotenv, faker, Insomnia, jsonschema, jsonwebtoken, morgan, pg, uuid, WTForms, and countless others.

- Additional programming languages: Git, jQuery, Linux Ubuntu (OS), Redux, SQLAlchemy, Terminal, and TypeScript.

- Advanced topics: AJAX, Data Structures and Algorithms, Event Driven Programming, Github, authentication/logging/json parsing middleware, hashing and hash maps, OOP, recursion, closure and many other JS and programming implementation tactics, web scraping, web sockets, implementing algorithmically created test data for database, and much more.

mjokiPro, Full-stack Fellow

March 2023 – Present
- Increasing client revenue and marketing visibility by implementing software development lifecycle phases by designing, developing, and debugging scalable web applications for use in different industries and client environments.

- Implementing accessibility and compatibility for multiple browsers and platforms.

- Developing testing environments for data validation, and implementing version control processes.

M & C Assemblies Inc., Product Assembler
March 2021 – Present
- Increased annual profit for the Inside Lawn and Garden department by 3% in 2021 at Lowe's in Montgomery, AL and by 6% in 2022 at Lowe's in Montgomery, AL and Troy, AL as the result of prompt product replenishment and quality assurance.

- Participated in training and seminars for further development and career enrichment.

- Established professional relationships with assemblers, team and customers to boost rapport.

Education

Auburn University   July 2023 – February 2024
Certificate of Completion in Software Engineering Program

Trenholm State Technical College, *Montgomery, AL*   *May 2009 - December 2011*
Associate in Applied Technology in Computer Information Systems; Emphasis: Programming.
Cumulative GPA: 3.8