Chikodi Merenu

Full Stack Software Engineer

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SUMMARY

A highly motivated and skilled software engineer with experience in full-stack web development, data analytics, and business analytics. Proficient in multiple languages and frameworks, including Python, JavaScript, React, and MongoDB. Skilled in methodologies such as object-oriented programming, MVC pattern, and agile development. Successfully completed several projects demonstrating expertise in database schema modeling, user profiles, and responsive design. Also, experienced in integrating third-party APIs and debugging strategies.

SKILLS

Languages & Frameworks: Python, JavaScript, Ruby on Rails, Meteor, jQuery, Node, Express, AJAX, HTML, CSS, Bootstrap, Devise, CanCanCa, RailsAdmin, Chart Kick

Management & Deployment: RSpec, Git, GitHub, Heroku, Command Line

Databases: SQL , PostgreSQL, MongoDB, NoSQL, Cloud Computing

Methodologies: Object Oriented Programming, MVC Pattern, Test-Driven Development, Responsive Design, Authentication, User Stories, ERDs

EDUCATION

General Assembly Software Engineering Immersive Bootcamp **Apr 2023**
General Assembly, Austin, TX

Data Analytics Program **Aug 2022**
Google, Mountain View, CA

Business Analytics Program **Dec 2021**
Harvard Business School, Cambridge, MA

Bachelor of Arts in Kinesiology, Minor In Business Administration **May 2021**
The University of Texas at Austin, Austin, TX **(University Honors Student)**

PROJECTS

PAWA Fitness Coach - [GitHub](#) - PostgreSQL, Express, React, and Node.js
- Designed and implemented a responsive and user-friendly UI using React.js, Tailwind UI, and Bootstrap frameworks
- Created RESTful APIs using Express.js and Node.js to fetch data from the WGER API and perform CRUD operations on user-generated data
- Integrated PostgreSQL database with the application to store user information, progress tracking data, and workout routines
- Implemented authentication and authorization functionality using JSON Web Tokens (JWT) to ensure secure access to the application's features

Tavern - [GitHub](#) - PostgreSQL, Express, React, and Node.js
- Designed and developed a full-stack social media application using the PERN stack that enables users to share and discover photos and videos with friends and followers.
- Built an authentication system using JSON Web Tokens (JWT) and bcrypt to ensure secure user registration, login, and logout.
- Implemented features such as user profiles, photo and video uploads, like and comment functionality, and following and follower systems using RESTful APIs.
- Utilized React and React Router to create a seamless, responsive user interface with intuitive navigation and dynamic rendering of content.
- Designed and implemented a database schema using PostgreSQL and managed data persistence using Sequelize ORM.
- Collaborated with a team of developers and designers to ensure timely delivery of project milestones.

Personal Wardrobe - [GitHub](#) - MongoDB, Express.js, React.js, Node.js, Bootstrap.
- Developed a full-stack wardrobe management application using the MERN stack.
- Utilized MongoDB to store and manage user data, including clothing items and outfit combinations.
- Created a RESTful API using Express.js for handling CRUD operations on wardrobe items.
- Used Node.js to implement server-side logic and handle API requests.
- Implemented user-friendly error handling and form validation using React hooks and Express middleware.
- Deployed the application to Heroku with automated continuous deployment using Git and GitHub Actions.

EXPERIENCE

General Assembly - Austin, TX | Software Engineering Junior Developer **January 2023 - April 2023**
- 12-week, 500+ hour training program focused on Git/Github, HTML, CSS, JavaScript, Node, MongoDB, SQL, and Python. Learned computer science fundamentals while executing software engineering projects in an Agile development workflow.
- Leveraged third-party APIs and integrated them into websites and applications.
- Created full-stack web applications, using recursive algorithms and web forms.
- Leveraged debugging strategies to ensure program integrity.

HeartFlow, Austin, TX | Imaging Case Analyst **April 2022 - January 2023**
- Integrated decision support, clinical pathways and best practices into health information technology to enhance delivery of care and workflows.
- Reduced average case turnaround time by 15% through providing clear and concise consultation to team members on CT image interpretation

EXTRA CURRICULAR

National Society of Black Engineers **August 2018 - May 2021**
Heman Sweatt Center (President) **August 2017 – August 2018**
National Pan Hellenic Council (President) **October 2017 - May 2021**
Epsilon Iota Chapter of Alpha Phi Alpha Fraternity Inc. (Vice President, MIC) **October 2017 - May 2021**