SAI DINESH KOPPARTHI

FULL STACK JAVASCRIPT DEVELOPER

PROFESSIONAL SUMMARY

Highly motivated Master's graduate in Applied Computer Science with extensive hands-on experience in web and iOS development. Proficient in modern web technologies such as React, Node.js, Express, and TypeScript, with a proven track record of enhancing user interfaces, integrating third-party applications, and optimizing data systems. Demonstrated ability to collaborate effectively in Agile environments and contribute to educational initiatives. Passionate about learning and driven to innovate, with a commitment to achieving excellence in every project.

EXPERIENCE

SOFTWARE DEVELOPER
NORTHWEST MISSOURI STATE UNIVERSITY, MARYVILLE MO

May 2023 – April 2024

- Revamped existing React UI components with modern web designs, enhancing visual appeal and functionality. Performed unit testing using Jest and React Testing Library, identifying bugs earlier.
- Integrated third-party payment applications into the university's application, streamlining payment processes and improving user experience.
- Created and maintained APIs using Node.js and Express, efficiently handling SQL queries to retrieve and display data from MySQL databases on the frontend.
- Utilized GitLab and Git workflows for efficient version control, ensuring smooth collaboration and code management throughout the development process.

GRADUATE ASSISTANT – MOBILE COMPUTING IOS
NORTHWEST MISSOURI STATE UNIVERSITY, MARYVILLE MO

December 2023 - APRIL 2024

- Assisted in teaching Mobile Computing IOS graduate course, supporting 80+ students through tutorials, lab sessions, and workshops.
- Offered personalized assistance to students, addressing queries, clarifying concepts, and guiding them through assignments and projects.
- Contributed to the creation of course materials, including assignments, quizzes, and additional resources.
- Collaborated with faculty to enhance course delivery methods and optimize student learning experiences.

CONTACT

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- 1115 N College Dr Apt – 75 Maryville MO – 64468
- LinkedIn
- Digital Portfolio
- GitHub

EDUCATION

- Northwest Missouri State University, 2024 Masters in Applied Computer Science.

TECHNICAL SKILLS

Programming Language:
- JavaScript, TypeScript, Python, Java, Swift, Groovy

Databases:
- MonogDB, PostgreSQL, MySQL, Firebase

Web Development:
- React, Node.js, Express.js, HTML, CSS, JSX, EJS, Webpack, Babel

Mobile Development:
- Swift, SwiftUI, React Native

Big Data:
- Hadoop, Kafka, PySpark

Unit Testing:
- Jest, React Testing Library, Mocha, Chai

GeoSpatial Tools:
- Leaflet, GeoJSON, QGIS, ArcGIS

Version Control, Project Control:
- GitHub, GitLab, Bitbucket, JIRA, Confluence

ASSISTANT SYSTEM ENGINEER
TATA CONSULTANCY SERVICES, HYDERABAD INDIA

November 2021 – November 2022

- Actively contributed to Sanlam Corporate's transition from Waterfall to Agile methodologies, assisting in the division of core applications into manageable clusters and participating in Agile ceremonies such as sprint planning and retrospectives.
- Collaborated with senior developers to implement secure authentication mechanisms using JWT tokens, enhancing the application's security posture.
- Utilized React and TypeScript to create dynamic UI components, employing JSX for efficient rendering and React Router for seamless navigation.
- Implemented HTML and CSS to ensure responsive and visually appealing interfaces. Configured Webpack and Babel for optimized bundling and transpilation.
- Built robust back-end APIs using Express and Node.js, ensuring seamless integration with front-end components for cohesive application functionality.
- Performed rigorous unit testing with Jest on the front end to ensure code quality and reliability. Conducted rigorous unit testing with Mocha and Chai to ensure backend code quality and reliability.
- Spearheaded the integration of multiple task manager applications through automated emails and APIs, leveraging client-side technologies and Node.js to automate workflows. Earned client appreciation for significantly improving operational efficiency

GIS DEVELOPER
NETENRICH TECHNOLOGIES PVT. LTD, INDIA

August 2020 - September 2021

- Implemented and customized interactive maps using React.js and Leaflet, enabling dynamic data visualization and user interaction with geospatial data.
- Utilized MongoDB for storing and querying GeoJSON data, leveraging geospatial indexing to enhance data retrieval performance for location-based applications.
- Assisted in developing RESTful APIs with Express.js and Node.js for handling geospatial data operations, including CRUD functions and spatial queries.
- Conducted spatial data analysis using QGIS and ArcGIS, and performed geo-processing tasks with turf.js to support project needs and client requirements.