

Chaitra Puttabudhi

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Professional Summary

Senior Software Engineer with extensive experience in designing and deploying scalable web applications, skilled in both frontend and backend technologies. Recently developed an Express-based chat application with GPT-3 API integration, showcasing expertise in Node.js, Express.js, and database design. Proven ability to lead cross-functional teams and deliver high-quality solutions under tight deadlines. Eager to leverage skills in full stack development to drive innovative projects and enhance user experiences.

Technical Skills

Frontend Development	HTML5, CSS3, JavaScript, ReactJS, jQuery, Bootstrap, Npm, Yarn, Jest, Angular
Backend Development	Node.js, Python, Express
CI/CD	Jenkins, Docker, Kubernetes
Web Services & API	OpenAI API, SOAP, Restful, JSON
Programming Language	JavaScript, Python, SQL
Databases	Oracle, MySQL, Mongo DB, Postgres SQL
Other Skills & Tools	Figma, JWT, OAuth 2.0, Git, VS Code, Apache Kafka, PyCharm, Postman, SOAP UI, JMeter, Microsoft Office Suite

Work Experience

Torry Harris Integration Solutions

Period: July 2019 – Feb 2024

Senior Software Engineer Responsibilities (Sep 2022 – Feb 2024):

- Led the design and development of a Training Management System for internal employee upskilling, built using React.js, Node.js, JavaScript and MongoDB.
- Implemented role-based modules for admins, trainers, and trainees, featuring session scheduling, progress tracking, and feedback collection.
- Developed secure RESTful APIs, hosted on AWS, with token-based authentication and OAuth 2.0 for secure access, ensuring data protection and system reliability.
- Conducted performance testing using JMeter and analyzed performance metrics (response time, throughput, error rate) from JMeter reports, collaborating with developers to resolve latency issues and enhance user experience.
- Mentored junior developers and enforced clean coding practices through code reviews and agile ceremonies.

Software Engineer Responsibilities (Aug 2021 - Sep 2022):

- Built reusable UI components using Bootstrap and AJAX, enhancing the frontend performance and user experience.
- Implemented authentication mechanisms with JWT and role-based access control, which strengthened application security and ensured secure user access.
- Collaborated with QA and product teams to ensure robust test coverage and timely feature delivery.

Associate Software Engineer Responsibilities (July 2019 - Aug 2021):

- Developed and maintained SOAP APIs using Oracle Service Bus (OSB) and Talend, enhancing system integration and data flow efficiency.
- Collaborated with cross-functional teams to gather requirements and design effective API solutions, leading to improved project alignment and successful implementation.
- Implemented security measures such as OAuth 2.0 and TLS to ensure API protection and secure communication, resulting in enhanced data security and compliance.
- Troubleshoot and resolved production issues, ensuring seamless functionality and reliability, which minimized downtime and improved user satisfaction.
- Participated in code reviews and provided constructive feedback, improving code quality and maintaining best practices, which led to more robust and maintainable software.

MPower

Period: July 2018 -Jan 2019

Software Engineer Intern Responsibilities:

- Participated in training programs and workshops to enhance knowledge of software development technologies and methodologies.
- Assisted Senior Engineers with API development tasks, gaining hands-on experience that improved my understanding of the development process and contributed to project efficiency.
- Built foundational skills for future projects by developing familiarity with tools and technologies commonly used in API development, which enhanced my technical proficiency.
- Gained exposure to Big Data (Hadoop) Application Development activities, which broadened my understanding of data processing and analysis techniques.

Projects

E-learning Website (MERN Stack) | MongoDB, Express.js, React, Node.js, Axios

- Developed a course catalog website with backend APIs in Express.js and MongoDB for data persistence.
- Implemented React functional components with search functionality to filter courses dynamically.
- Integrated REST APIs using Axios to fetch and display course data seamlessly.

Web Assistant with OpenAI GPT-3 | Express.js, Node.js, MongoDB, OpenAI API

- Built an Express-based chat system integrated with GPT-3 API to handle user queries and provide AI-driven responses.
- Designed database schema to persist conversation history for tracking user interactions.
- Showcased expertise in backend API integration, real-time chat design, and database management.

Google Search Engine API Integration | Express.js, Node.js, Google Custom Search API

- Integrated Google Search Engine API into an Express.js web application to fetch and display real-time search results.

- Designed frontend to show structured results including title, snippet, description, and URL.
- Implemented modular backend model for storing and processing search results.

Wordle Clone | *React, JavaScript*

- Implemented a clone of the popular Wordle game featuring a dynamic letter grid and on-screen keyboard.
- Built logic to validate five-letter dictionary words and provide color-coded feedback (green, yellow, gray) for each guess.
Managed game state, winning/losing conditions, and interactive UI updates for six guessing attempts.

Web Scraping with Selenium | *Python, Selenium, Regex*

- Automated web scraping on Wikipedia using Selenium to extract data via CSS selectors, IDs, and nested tags.
- Implemented event-driven automation (clicks, navigation) and text extraction pipelines.
- Cleaned and structured scraped data using regex, saving it into organized text files.

Education

Bachelor of Engineering – Computer Science
Visvesvaraya Technological University

Aug 2015- May 2019