Gaddam Gowtham Kumar

Senior Software Engineer

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PROFILE SUMMARY

- Overall, 6+ years of experience as a full stack developer have equipped me with a deep understanding of front-end and back-end technologies, proficiency in Agile methodologies, and expertise in deployment practices.
- Extensive Full Stack Development in building end-to-end web applications. From designing intuitive user interfaces to implementing robust back-end functionality, I have a comprehensive understanding of the entire development process.
- My expertise extends to back-end technologies such as Node.js and databases like MongoDB and SQL. I have successfully developed and deployed scalable server-side solutions, implemented RESTful APIs, and optimised database performance.
- I am well-versed in Agile development methodologies, particularly Scrum. With experience working in Agile teams, I thrive in fast-paced environments, collaborate effectively with cross-functional teams, and deliver high-quality software solutions within strict timelines.
- In addition to development skills, I possess a strong understanding of DevOps principles. I am experienced in leveraging tools like Git, Docker, and CI/CD pipelines to streamline the deployment process and ensure efficient and reliable application delivery.

WORK EXPERIENCE

Module Lead (FULL STACK DEVELOPER)   November 2022 - Present
Sopra Steria, Bangalore

- Lead the design and development of software applications using the MERN stack, ensuring high-quality and efficient solutions for Airbus/Aeroline.
- Collaborate with cross-functional teams, including product owners, designers, and engineers, to create innovative and robust software solutions that meet client requirements.
- Identify and address technical debt, bugs, and other issues that impact software quality, ensuring a seamless user experience.
- Create and maintain comprehensive technical documentation to facilitate knowledge transfer and ensure consistency across teams.
- Develop and implement best practices for software development, testing, and deployment, improving efficiency and productivity.
- Mentor and coach junior engineers, fostering their technical proficiency and contributing to the overall growth of the team.
- Maintain clear and concise communication with stakeholders, avoiding technical jargon and ensuring understanding across all levels of the organization.
- Diligently proofread all technical documentation and code, ensuring accuracy and reliability in all deliverables.

FULL STACK JAVASCRIPT DEVELOPER   April 2017 - Feb 2018
Biscuit Data

- Developed and implemented a full-stack JavaScript application for Biscuit Data, an SEO marketing tool, incorporating features such as automatic keyword assignment, generated title and meta descriptions, and centralized website data management.
- Collaborated closely with internal development, product management, and design teams to ensure seamless integration and delivery of high-quality software solutions.
- Designed and developed RESTful APIs, leveraging Node.js, Express.js, and WebSocket integrations to enhance application functionality and performance.
- Implemented high-level algorithms for data caching through daily Cron jobs, optimizing data retrieval and processing using Node.js.
- Utilized Knex ORM to integrate and manage PostgreSQL databases, ensuring efficient data storage and retrieval.

- Deployed applications on the Google Cloud Platform, including App Engine, Compute Engine, Google Cloud Functions, and Cloud Scheduler jobs.
- Worked in an agile/scrum team, actively participating in all ceremonies and providing valuable input to drive project success.
- Maintained clear and concise documentation, facilitating seamless knowledge transfer and collaboration among team members.

Software Engineer Level -2   November 2018 - January 2020
Colosseum Tech Solutions, Hyderabad, IN

- Developed a configurable AI and deep learning-based smart solution, SmartSight, for object detection, real-time alerts, and enhancing existing CCTV infrastructure, resulting in improved security and operational efficiency.
- Created a website for real-time vehicle tracking using GPS and Google Maps API, enabling efficient monitoring and management of fleet operations.
- Modernized the company's application workflow and tooling by implementing test-driven development and establishing a robust deployment pipeline, resulting in increased software quality and faster release cycles.
- Built CRUD APIs using Node.js and Express.js, facilitating seamless data management and integration with the backend systems.
- Demonstrated expertise in continuous deployment CI/CD pipelines using GitLab and utilized various AWS services such as EC2, Lambda, VPC, IAM, and S3 storage for efficient and scalable infrastructure management.
- Redesigned and developed the entire website based on client requirements, ensuring a modern and user-friendly interface and seamless migration from previous technologies.
- Conducted thorough testing using tools like Postman to ensure functionality, reliability, performance, and security of the software, resulting in a high-quality and robust product.
- Maintained clear and concise documentation throughout the development process, facilitating ease of understanding and knowledge transfer among team members.

JAVASCRIPT DEVELOPER   February 2018 - October 2018
Alcove Partners, Vishakhpatnam, IN

- Developed, upgraded, and maintained JavaScript libraries and widgets to ensure consistent data management across all forms, regardless of their development timeline.
- Integrated new functionality into existing JAVA-based applications using a bootstrap-based library, enhancing the overall user experience.
- Resolved complex problems by leveraging JavaScript, JSON, and jQuery, effectively improving the performance and functionality of the Health Tunnel mobile application platform.
- Collaborated with cross-functional teams to ensure seamless integration of JavaScript components into the overall system architecture.
- Conducted thorough testing and debugging of code, identifying and resolving issues to ensure a smooth user experience.
- Actively contributed to the improvement of coding standards and best practices, fostering a culture of continuous learning and growth within the development team.
- Maintained clear and concise documentation, facilitating ease of understanding and knowledge transfer among team members.
- Demonstrated a strong commitment to professional development, staying updated with the latest trends and advancements in JavaScript development.

Freelancer   FEB 2015-JAN 2018
Upwork

Worked with B2B clients and created projects like BidInsider, GangaSoft Solutions.

Education

Bachelor of Technology in Electrical Engineering   2009 - 2013

Gayatri Vidya Parishad College of Engineering

Grade A

Technical Skills

Proficiency in HTML, CSS, JavaScript	W3C Standards & Semantics, Cross-browser CSS, SCSS, Grids, Flex-box, Tailwind CSS, Bootstrap, Foundation Framework, Style Guides.
Jam-stack	JSON & Restful API integration, Redux, Redux-Saga
Responsive Web Design (RWD)	Progressive Enhancement, Media-Queries, Responsive Images, SVG: Snap SVG, SVG Spritesa
JS Libraries	TypeScript, React JS, Redux, Jamstack, Closure, Functional JS, Object-Oriented JS, ES6, Immutable JavaScript, jQuery, Template libraries (Handlebars.JS, jQuery Template), ExpressJS, Vanilla.JS Testing : Jest, React Testing library, Mocha and Chai
Browser APIs/Features	Dev Tools, Virtual DOM, History (Push State), DOM(Document Object Model) APIs, Postman, REST API's.
Design	Various Design Systems: canva, airbus, ant, mui etc Colours, Typography, Layout & Composition • Animations: Greensock, Scrolling, Parallax, GSAP,
Backend Skills	NodeJS, Express JS, Amazon web services
Databases	MySQL, PostgreSQL, MongoDB
Version Control	GIT, GITLAB, Bitbucket
Operating Systems	Windows, Linux, MacOS
Deployments	Jenkins CI/CD, AWS , GCP

Personal Trails

- **Versatile Full Stack Developer:** Proficient in both front-end and back-end technologies allows me to seamlessly navigate and contribute to all layers of application development.
- **Strong Problem-Solving Skills:** Equipped with exceptional analytical and troubleshooting abilities, I excel at identifying and resolving complex technical challenges.I am able to debug code, optimize performance, and deliver efficient solutions.
- Committed to staying at the forefront of technical advancements, I actively engage in continuous learning by following industry trends, participating in online communities and ensure to set my skills upto date providing cutting edge solutions.

Leadership Skills

- Able to organise own workload effectively and prioritise tasks.
- Can quickly understand business requirements and then translate these into functional requirements.
- Can manage multiple projects in a fast-paced, deadline-driven environment.
- Self-taught, Adaptable and able to quickly pick up new techniques.

Skills

Front- end Development

- Proficiency in HTML, CSS, and JavaScript.
- Frameworks and libraries like React, Angular, Vue.js, Next JS, Marco JS for dynamic user interfaces.

Database Management

- Ability to design, query, and manage databases like MySQL, PostgreSQL, MongoDB.
- Implementing database caching strategies to enhance performance.

API Design and Integration

- Creating RESTful services or GraphQL APIs.
- Integration of third-party services through APIs.

Back-end Development

- Server-side languages like Node.js.
- Understanding of server, network, and hosting environments.

Version Control/Git

Proficient use of version control tools like Git to manage code versions and collaborate with other developers.

Responsive Design

Ensuring that web applications are responsive and work well on various devices and screen sizes.

Testing and Debugging

- Writing test cases and performing unit tests, integration tests.
- Using debugging tools and techniques for front-end and back-end.

AI Integration and API Management

Continuously update and refine AI integrations based on user feedback and evolving AI technologies to improve user engagement and application value.

DevOps Practices

- Familiarity with software deployment processes, continuous integration, and continuous deployment (CI/CD).
- Using tools like Docker, Jenkins, or Kubernetes.

User Experience and Accessibility

- Understanding of UX design principles to enhance the usability of applications.
- Implementing accessibility standards to make applications usable by as many people as possible.