



Gaddam Gowtham Kumar

Senior Software Engineer II

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PROFILE SUMMARY

- Overall, **6.5+ 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 technologies such as **Node.js**, **React.js**, **React Native** and databases like **Postgresql** and **MySQL**. I have successfully developed and deployed scalable server-side solutions, implemented RESTful APIs, and optimised database performance.

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 (**Node.js**, **React.js** in TypeScript) and AWS SDK, ensuring high-quality and efficient solutions for Airbus/Aeroline.
- Contributed to projects inside Airbus, including **MyAuthoring**, **FLI**, and **More2** (Major Repair), which are services for Airbus/Aeroline aircraft management.
- Developed REST API services in Node.js, designed using **AWS Lambda** and exposed through API Gateways.
- Played a key role in the development of **MyAuthoring**, a cloud-based tool for courseware updating and content specification, offering scalability and customization.
- Implemented features for displaying course unit data, including filtering with multiple filters using libraries **Redux/Redux Saga store** and persisting data even when the user logs out.
- Created lambdas for media migration and update version, involving migrating course unit media from S3 to MyAuthoring and creating new versions from existing versions.
- Wrote unit tests for backend and frontend using **Jest**, **Sinon**, and **RTL** libraries, increasing test coverage to **80%**.
- Built infrastructure for lambdas, API gateways, and WebSocket API configurations using AWS SDK.
- Worked with **jenkins** pipelines for automating the deployment process for CI/CD.

FULL STACK JAVASCRIPT DEVELOPER

Feb 2020 - Sep 2022

TechPot It Solutions

- Developed and implemented a full-stack JavaScript application for BiscuitData, an SEO AI marketing tool, incorporating features such as automatic keyword assignment, generated title and meta descriptions, and centralized website data management using **Lighthouse**, **Page Speed Insights** APIs, and integrated third-party libraries like **DataforSEO** and **Google Analytics**.
- Utilized **web scraping** techniques to scrape the site map and extract data related to every URL inside the sitemap, capturing all the meta content of each page to increase website indexation and ranking in search engines.
- Designed and developed **REST APIs**, creating all the necessary APIs for CRUD services for BiscuitData application from authentication to onboarding to analytics using **Node.js**, **Express.js** with TypeScript.
- 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.

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.
- Collaborated with cross-functional teams to develop a web application for **FALCONAVL**, enabling real-time vehicle tracking using GPS and Google Maps API, and facilitating efficient monitoring and management of fleet operations.
- Designed and implemented layouts for the web application using **REACT** and **REDUX** on the frontend, integrating .NET APIs for seamless functionality.
- Created dynamic dashboards for trip management activities with role authorization, enhancing user experience and streamlining operations.
- Built microservices using serverless functions in NodeJS with AWS Lambda, enabling direct interaction with IoT devices attached to vehicles for notifications and alerts.
- Demonstrated expertise in continuous deployment CI/CD pipelines using GitLab and utilized various AWS services such as **EC2**, **AWS 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.

JAVASCRIPT DEVELOPER

February 2018 - October 2018

Alcove Partners, Vishakhapatnam, IN

- Designed and developed a highly responsive and dynamic user interface for InterviewBuddy which is a mock video interviewing platform using **React** and **TypeScript** with material design system, ensuring a seamless user experience across all devices.
- Implemented complex state management using **React Hooks** and **Context API** to handle user interactions and data flow efficiently.
- Developed RESTful APIs using **Node.js** and **Express.js** to manage user authentication, scheduling, and interview session management.
- Integrated AWS services, including **AWS Cognito** for secure user authentication and **AWS Lambda** for serverless functions to handle background tasks efficiently.
- Designed and managed the database schema using **PostgreSQL** on **AWS RDS**, optimizing queries and data storage for faster retrieval and processing.
- Implemented data validation and sanitization on both the front-end and back-end to ensure data integrity and security.
- Wrote unit and integration tests using **Jest** and **React Testing Library** to ensure code quality and maintainability.

Freelancer

February 2015 - January 2018

Upwork

Collaborated with B2B clients such as BidInsider, to develop projects for their internal teams and B2C clients such as Ulta beauty, Verizon, Walmart, Ebay.

- Collaborated with clients to define website specifications and requirements, ensuring alignment with their business objectives.
- Provided technical support and maintenance for created websites, ensuring optimal performance and minimal downtime.
- Enhanced website performance for multiple clients by optimising front-end and back-end components, resulting in an average 40% improvement in load times and user engagement.
- Developed a customised e-commerce solution for a B2B client that increased their sales conversion rate by 30% within the first three months of launch.

Education

Bachelor of Technology in Electrical Engineering

2009 - 2013

Gayatri Vidya Parishad College of Engineering

Grade A

Technical Skills

JAVASCRIPT FRAMEWORKS	TypeScript, React JS, React Native, Redux/Redux Sage/Redux Thunk, React, Next JS, Marko JS, KnockoutJS, JQuery, ExpressJS, Vanilla.JS, GraphQL Testing Libraries : Jest, React Testing library, Mocha and Chai, Sinon
Proficiency in HTML, CSS, Design Systems	Figma,W3C Standards & Semantics, Cross-browser CSS, SCSS, Grids, Flex-box, Tailwind CSS, Bootstrap, Foundation Framework, Style Guides, Ant, Mui, Airbus, React-canva. Animations: Greenstock, Scrolling, Parallax, GSAP
Jam-stack	JSON & Restful API integration
Responsive Web Design (RWD)	Progressive Enhancement, Media-Queries, Responsive Images, SVG: Snap SVG, SVG Sprites
Browser APIs/Features	Dev Tools, Virtual DOM, History, DOM(Document Object Model) APIs, Postman, REST API's.
Backend Skills	NodeJS, Express JS, Python
Databases	MySQL, PostgreSQL, MongoDB, Redis
Version Control	GIT, GITLAB, Bitbucket
Operating Systems	Windows, MacOS
Deployments	Jenkins, Github actions,
Cloud Services	AWS Cloud, Google Cloud Platform

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 good in debugging 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.