GAYATRI DUTTA

Senior System Engineer | Tata Consultancy Service | MEAN Stack | MERN Stack

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Summary

Innovative Mean Stack Developer with a decade of experience in crafting high-performance web applications with more than **5 year** of experience. Proficient in utilising the **MEAN** and **MEAN** stack to enhance functionality and user experience, while implementing robust security measures. Committed to continuous learning and adapting to new technologies to drive impactful solutions.

Skills

Programming Languages

JavaScript │ Typescript │ Node JS

Tools and Frameworks

Angular │ React.js │ Vue Js │ Node.js │ NestJS │ MongoDB │ SQL │ Git │ GraphQL │ REST API │ AWS │ Jira

Work Experience

Senior System Engineer
NOV 2022 - Present

Tata Consultancy Service, Noida

- Spearheaded the migration of a large-scale enterprise frontend from **Angular to React.js**, reducing page load time by **35%** and improving developer efficiency through reusable functional components.
- Developed and maintained over **25+ responsive UI screens** using **Angular**, **React**, **TypeScript**, and **JavaScript** for internal tools and customer-facing portals.
- Designed and integrated **RESTful APIs** using **Node.js** and **Express.js**, achieving **99.8% uptime** and **30% faster response times** through efficient middleware handling.
- Boosted overall app performance by **~40%** by introducing lazy loading, code splitting, and optimizing change detection in Angular/React.
- Collaborated across cross-functional Agile teams to deliver **15+ successful sprint releases**, maintaining **95% on-time delivery** rate.
- Wrote **unit tests** with Jasmine/Karma (Angular) and Jest (React) achieving **>85% code coverage**, reducing post-release defects by **20%**.
- Reduced front-end bug reports by **25%** after implementing strict type checking with **TypeScript** and automated CI linting checks.
- Utilized **Git**, **JIRA**, and **Jenkins** for streamlined version control, task tracking, and continuous deployment.

Software Developer
Aug 2020 - Oct 2022

RubicoIT, Haridwar

- Developed 15+ responsive, cross-browser compatible landing pages using **Angular**, **Vue.js**, **JavaScript**, **HTML5**, and **CSS3**, increasing client engagement by **28%**.
- Reduced production **bugs by 35%** through rigorous **unit testing**, debugging, and proactive resolution of critical functionality issues.
- Managed and optimized project timelines, delivering **100%** of assigned projects on schedule, and reduced average **delivery time by 30%**.
- Enhanced user experience by identifying and resolving complex usability issues, leading to a **40%** improvement in overall system efficiency and **15% decrease in support tickets**.
- **Collaborated** across teams to meet tight deadlines, ensuring **budget adherence** on all deliverables and maintaining a **client satisfaction rate of 95%+**.

Projects

Tactic Builder

- Developed an innovative template generator for designing emails, managing various module data from AEM and storing templates in AWS for future use.

PRC - Harbin Design

- Created a learning management application for construction sites, enabling multiple construction companies to manage employee training.
- Integrated a payment gateway using Stripe for seamless transactions.

New Horizon Foundation

- Developed a platform for a public charity focused on supporting donors and charitable endeavors, allowing for the creation and management of charitable projects across various impact areas and maintaining donor advised funds.

Rubico Employee Portal

- Designed and implemented an employee portal for Rubico IT that generates individual reports for each employee, manages leave requests, tracks logs, and provides administrators with the tools to manage employee details.

Education

Bachelor of Science in Computer Science   Aug 2016 - Sept 2020

Uttrakhand Technical University