

ABHITEJA SAMUDRALA

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SUMMARY

Software Engineer with 2 years of experience in full-stack development, specializing in Java and modern JavaScript frameworks like Angular and React.js. Expertise includes applying data structures, algorithms, object-oriented design, and design patterns to address performance/scale considerations. Possesses Basic of ML Modelling & AI Literacy and the ability to critically think about how to integrate AI into scalable systems. Highly skilled in componentization, reusability, and using working knowledge and ability to use tools for daily tasks.

TECHNICAL SKILLS

- Languages:** JavaScript, Typescript, Java, Python
- Frameworks:** Node.js, Angular, React.js, Express.js
- Software Design & Practices:** System Design, Microservices, REST APIs, OOP, Agile, Scrum
- Cloud:** AWS (Lambda, EC2, S3, API Gateway)
- OS & Databases:** MongoDB, MySQL, Redis, Linux
- DevOps & CI/CD:** Docker, Kubernetes, Jenkins
- Tools:** Webpack, Mocha, Chai
- Version Control:** Git, GitLab, GitHub

PROJECTS

LLM-Powered Report Automation Tool

- AI Integration and Automation: Developed a tool utilizing an LLM to generate dynamic Python scripts based on natural language input, automating workflows for complex report modifications.
- Applied analytical and design skills to secure and optimize the input/output pipeline for performance.

WORK EXPERIENCE

Software Engineer - Darwinbox Digital Solutions, Hyderabad

Jul 2024 - Present

- Integrated AI Literacy into Design: Applied analytical and design skills to critically think about and implement modular solutions, ensuring scalability for future AI-driven insights integration within the platform.
- Designed and developed a scalable full-stack Live Streaming Application using React, Node.js, MongoDB, and AWS IVS. This involved ensuring reusability and componentization across the UI platform.
- Leveraged Node.js/TypeScript principles for robust backend service development, focusing on object-oriented design and clear separation of concerns to handle high concurrency, addressing performance/scale considerations.
- Enhanced Darwinbox's onboarding module, streamlining workflows and reducing reported issues by 20% through efficient.

Software Engineer Intern - Darwinbox Digital Solutions

Feb 2024 - Jul 2024

- Developed a robust backend system using Express.js and REST APIs, implementing a scalable database structure to handle secure user authentication and data retrieval.
- Strengthened the application's backend architecture by designing scalable database models and implementing secure authentication flows.

ACHIEVEMENTS AND CONTRIBUTIONS

- Recognized for improving system performance, scalability, and reliability through architectural optimizations.
- Achieved a 37% increase in report usage by implementing a Report Web View feature, enabling clients to access reports seamlessly without the need for manual downloads.

EDUCATION

B.Tech in Computer Science and Engineering

Sree Vidyanikethan Engineering College
Tirupati, Andhra Pradesh

Jan 2021 - May 2024

CGPA: 9.1/10