Abithaa A P
Software Development Engineer II

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EXPERIENCE

Sagent M&C LLC   Chennai
Software Dev Engineer II — Backend Development, API Integration, Performance Optimization   *Apr 2023 – Present*

- Led backend integration efforts with front-end teams, ensuring seamless communication and efficient data handling.
- Delivered high-priority features consistently, achieving customer satisfaction and maintaining under 1% post-release defect rate, indicating performance optimization in every production release.
- Mentored junior developers, leading to a 50% reduction in bugs and defects per sprint and significant unit testing quality and coverage through effective communication, feedbacks and unified efforts.

Mr. Cooper   Chennai
Software Engineer 1 — Full-Stack Development, Agile, Debugging   *Jul 2021 – Apr 2023*

- Designed and maintained scalable backend services, improving system efficiency and user experience.
- Developed Power Automate workflows that automated processes, reducing manual effort by 30%.
- Resolved critical bugs and optimized database queries, improving response times by 40%.
- Collaborated cross-functionally with design, product, and DevOps teams to deliver high-impact features.

Software Engineer Intern — Web Development, UX Enhancements   *Jan 2021 – Jun 2021*

- Built front-end components using React.js and JavaScript, enhancing customer service applications.
- Worked on migrating legacy systems to Microsoft Dynamics CRM for better data management and automation.
- Assisted in microservices development to ensure modular and scalable architecture.

EDUCATION

Amrita Vishwa Vidyapeetham   Coimbatore
B.Tech in Computer Science Engineering   *2017 – 2021*

- Focus Areas: Data Structures & Algorithms, Software Engineering, Cloud Computing

PROJECTS

Big O Code Complexity Analyzer – Python, Web Deployment, GitHub   *Jul 2024*

- Developed a web-based tool to analyze and display real-time code complexity for Python scripts accurately.
- Deployed the tool on Replit for public access and leveraged GitHub for CI/CD and version control workflows.
- Simplified code performance analysis with a clean UI/UX, boosting code quality by 50% during debugging cycles.

FCC ECFS Web App – React, TypeScript, CSS   *Jan 2025*

- Built a fully responsive and accessible web application for interacting with the Federal Communications Commission (FCC) Electronic Comment Filing System (ECFS), enhancing user experience across platforms.
- Integrated dynamic search and filters to allow users to find dockets, improving data retrieval efficiency by over 40%.
- Developed modular components using React and TypeScript, and styled using modern CSS frameworks and implemented responsive UI layouts, leading to a 30% faster load time and improved UX scores.

Loan and House Mortgage CRM – Microsoft Dynamics 365, Power Platform, REST APIs   *2023 – 2024*

- Engineered end-to-end modules for Loss Mitigation, Forbearance, SPOC Escalation, and Document Administration, directly improving case handling time by 35%.
- Orchestrated API integrations across modules using RESTful services, reducing manual reconciliation efforts.
- Optimized complex SQL queries and backend logic, resulting in a 25% improved reliability under production loads.

TECHNICAL SKILLS

Programming Languages: JavaScript, Java, Python, C#, SQL, HTML, CSS
Tools & Platforms: Microsoft Dynamics CRM, Power Automate, Power Apps, Azure DevOps, Git, Postman, IntelliJ IDEA, Visual Studio Code
Technologies: REST APIs, GraphQL, Microservices, CI/CD, Agile Development, Debugging & Troubleshooting, Scalable Backend Development, API Design