

Abhyshek Bhalaji S

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Summary

Dynamic software developer with experience in developing, testing and maintaining high-quality applications, skilled in coding and monitoring software performance while troubleshooting complex issues. Proven ability to collaborate with cross-functional teams, adaptability to learn new technologies, and drive continuous improvement in software products through efficiency and clean coding practices.

Education

Sastra University

Bachelor of Technology - Biotechnology

June 2019 - June 2023

Tanjore, TN

- **Relevant Coursework:** Data Structures and Algorithms (Java), Python for Bio Engineers (Python)

Experience

Cognizant Technology

Software Engineer Intern

Dec 2023 – Mar 2024

Chennai, TN

- Optimized Java-based REST APIs, boosting data retrieval performance by 25% as measured by response time improvements using benchmarking tools.
- Identified 20+ critical bugs through manual testing on Amazon and Alibaba platforms, improving user experience by 15% as reflected in user feedback and ensuring better user interaction with new software features
- Streamlined team workflows with efficient SQL queries for CRUD operations, reducing query execution time by 20%.

Projects

Horizon | *React.js, Next.js, Tailwind CSS, Appwrite*

- Engineered a financial web app displaying real-time transactions, projecting a 25% improvement in user engagement through secure authentication and optimized transaction flow.
- Optimized backend API responses, enhancing data retrieval speed by 25% in early testing, incorporating cloud technologies that can improve user experience during peak traffic.

Pitcher | *Next.js, TypeScript, Sanity*

- Reworked the codebase by converting it to TypeScript, increasing maintainability and reducing potential bugs by up to 40% in future development cycles, ensuring better implementation and design.
- Developed a new feature for startup pitching, projecting a 20% increase in user interaction based on early-stage testing feedback, showcasing my skills in product management in a tech context.

Store It | *Next.js, Appwrite, TypeScript*

- Developed a scalable file management platform, ensuring 99.9% uptime through Appwrite's robust infrastructure, scaling to support up to 1,000 users in initial load testing.
- Refined file upload and retrieval processes, projecting a 15% reduction in response times upon full deployment, illustrating architectural design thinking in coding.

Technical Skills

Languages: JavaScript, TypeScript, Python, Java, SQL

Frameworks/Technologies: React.js, Next.js, Tailwind CSS, Appwrite, Node.js, Express.js, TypeScript, MySQL, MongoDB

Concepts: Object-Oriented Programming, Functional Programming, REST APIs, Database Management System, Data Structures and Algorithms, Git, Version Control, Responsive Design

Tools: GitHub, VSCode, Postman.

Databases: MySQL, MongoDB

Certifications

HackerRank Frontend Developer Certification

Postman API Expert Certification

React - The Complete Guide (Udemy)

Java Complete Bootcamp (Udemy)