

SHUBHAM PATIL

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OBJECTIVE

Results-driven **Full Stack Developer** with hands-on experience in **React, Next.js, JavaScript, TypeScript, FastAPI, PostgreSQL, and Docker**. Skilled in developing scalable web applications, implementing **responsive designs**, **building CI/CD pipelines**, and **conducting comprehensive testing**.

EXPERIENCE

Quad Technologies Ltd

Jr. Software Engineer

Nov 2024 - Present

Bengaluru, Karnataka

- **Frontend Development:** Worked in a small team, taking ownership of a feature from scratch using Next.js with TypeScript. Styled components using Tailwind and ShadCN while writing unit test cases with Vitest. Followed Jira processes, engaged with experts for feedback, and reviewed other developers code.
- **Test-Driven Development:** Created comprehensive unit tests using Vitest, achieving 85% code coverage. Implemented TDD/BDD principles to ensure code quality and reduce production bugs by 40%.
- **Automation Testing:** Developed an end-to-end automation testing framework using Playwright and Cucumber, reducing manual testing time by 70%. Generated detailed reports and integrated with CI/CD pipelines.
- **DevOps & CI/CD:** Implemented CI/CD pipelines using GitHub Actions, automating build, test, & deployment processes. Containerized applications with Docker for consistent development & production environments.
- **AI & Image Generation:** Integrated Genkit LLM and Imagen3Fast models for automated image generation, enhancing product features and reducing design turnaround time by 50%.
- **Agile Collaboration:** Participated in daily stand-ups, sprint planning, and retrospectives using JIRA. Provided UI/UX feedback & suggestions, contributed to design improvements, & worked closely with the founder, designers, & team members for a seamless development process.

EDUCATION

Bachelor of Engineering (B.E.) - Electronics and Communication Engineering

Jain College of Engineering, Belgaum

2020 – 2024

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Python, C++ , SQL.

Frontend: React.js, Next.js, Tailwind CSS, HTML5, jQuery, Responsive Design, State Management (Context API, Redux).

Backend: FastAPI, Node.js, Express.js, SQLAlchemy, REST APIs, JWT Authentication, OAuth2, WebSockets .

Testing: Playwright, Cucumber, Vitest, Pytest, Postman, API Testing, TDD/BDD Methodology.

DevOps and Cloud: Docker, CI/CD (GitHub Actions), Git, Version Control, GCP Cloud Run, Firebase Hosting

Databases: PostgreSQL, MongoDB, MySQL, Firebase, SQLite.

Tools: Visual Studio Code, Git, GitHub, Postman, GitHub Actions, Alembic, Pydantic, JIRA, Agile Methodology.

AI and LLMs: Genkit, Imagen3Fast, VertexAI, LLM Integration

PROJECTS

GIGSTER | MERN Stack

- Developed a **full-stack freelancing platform** connecting freshers with project opportunities using **MERN stack (MongoDB, Express.js, React.js, Node.js)**
- Implemented **responsive frontend with React.js, CSS, React Router, and Context API, resulting in 20% increased user engagement**. Built secure **backend with Node.js, Express.js, and MongoDB with JWT authentication** system, ensuring data protection. Integrated **Stripe API** for secure payment processing and **Cloudinary** for image storage, enhancing platform capabilities.

ACHIEVEMENTS

- Successfully developed and deployed a comprehensive **automation testing framework using Playwright and Cucumber, reducing QA time by 70%** and improving test coverage across applications