

Pratham Gwari

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WORK EXPERIENCE

Payatu Security Consulting

Associate Full Stack Developer

Pune, Maharashtra

Mar 2023 – Present

- **Facilitated development of Nucleus**, a distributed microservices architecture for security scanning and analysis, working with TypeScript/Node.js services and Docker containerization.
- **Engineered critical frontend components** for the Maximus platform utilizing Next.js and React, implementing role-based access control that enhanced user security and improved workflow efficiency for 200+ active users.
- **Implemented secure user authentication and authorization** mechanisms using JWT and OAuth 2.0, leveraging asynchronous programming techniques to enhance system responsiveness and security.
- **Spearheaded report generation system development** with customizable templates, enabling support for DOCX and XLSX formats and incorporating version control, reducing report generation time by 60%.
- **Collaborated on setting up CI/CD pipelines** using GitLab CI and Jenkins for automated testing, building, and deployment across environments.
- **Reduced application startup time** in development environment from 82 seconds to 12 seconds by implementing lazy loading and tree shaking techniques to eliminate unnecessary module imports.

Gunpowder Innovations

Backend Developer (Part-Time)

London, UK

Oct 2024 – Present

- **Architected and implemented a scalable low latency, highly available multi-tenant backend infrastructure** with sophisticated access control systems and data isolation for financial service providers.
- **Designed and developed a complex relational database schema** with 35+ interconnected models using PostgreSQL and Sequelize ORM for financial entities management.
- **Integrated payment processing services** with bank account verification and direct debit mandates for seamless financial transactions.
- **Enhanced application performance** by implementing Redis caching, database connection pooling, and query optimization techniques, resulting in an average 80% improvement across 10+ API endpoints.
- **Implemented comprehensive logging using Winston and monitoring with New Relic** for API and query performance, utilizing correlation IDs to track user activities and system performance. This enhanced issue detection speed and overall system reliability.
- **Created comprehensive test coverage** using Jest and Supertest with 80%+ code coverage for critical financial workflows.

Frshr Technologies

React Redux Developer

Bengaluru, Karnataka

Jan 2022 – Mar 2022

- **Engineered interactive music visualization components** using React.js and **implemented a robust state management system** using Redux and Redux Toolkit to synchronize audio playback, user interaction, and real-time visualizations.
- **Integrated with backend APIs** to manage user profiles, lesson data, and performance analytics with proper error handling and loading states.

Awards and Achievements

- **Top 10% Fiverr Freelancer** – Completed **48+ projects** for international clients with perfect 5-star rating, generated **₹4.5 lakhs+** revenue, and achieved Level 2 Seller status through consistent excellence.
- **Xiaomi Ode 2 Code 2.0 Runner-Up** (2022) – Secured 2nd place among 8,000+ engineering students nationwide, winning ₹75,000 prize; presented solution at Xiaomi HQ in Bangalore.
- **Excellence in Service Award** – Recognized by Payatu (2023) for outstanding contributions to internal product development initiatives and technical expertise advancing company objectives.
- **Problem-Solving Proficiency** – Solved 780+ algorithmic challenges across CodeChef, LeetCode, InterviewBit and GeeksforGeeks, demonstrating expertise in algorithms and data structures.

Skills

Frontend: React.js, Next.js, TypeScript, JavaScript, HTML5, CSS3, Redux, Tailwind CSS, Material UI

Backend: Node.js, Express.js, REST APIs, PostgreSQL, MySQL, Sequelize ORM, Redis, Microservices

DevOps and Cloud: Docker, AWS, Azure, CI/CD (GitLab CI)

Tools & Others: Git/GitHub, JWT, OAuth 2.0, Jest, Supertest, Swagger (OpenAPI)

EDUCATION

University of Delhi

Bachelor of Science (Hons) Computer Science

Delhi, IN

Aug 2023