Vaishali R Paraskar

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Versatile and collaborative Full Stack Software Engineer with 3+ years of experience building scalable, production-grade web applications and distributed systems. Proficient in TypeScript (React, Node.js,), Python (Django, Flask), and cloud-native development (AWS). Proven track record of shipping clean, maintainable, and well-tested code. Adept in system design, code review, agile methodologies, and solving complex engineering problems.

EDUCATION

Long Island University, Brooklyn, NY   **Sep 2023 – May 2025**
Master of Computer Science

Nirma University, Ahmedabad, India   **Aug 2019 – Jun 2021**
Master of Computer Application

TECHNICAL SKILLS

- **Languages:** JavaScript, Python, SQL
- **Frontend:** React.js, Next.js, HTML5, CSS3, Tailwind CSS, Material UI
- **Backend:** Node.js, Express.js, Django, Flask, FastAPI
- **Databases:** PostgreSQL, MySQL, MongoDB, Firebase
- **Cloud & DevOps:** AWS (EC2, S3, Lambda), Docker, CI/CD (GitHub Actions), Serverless
- **Tools & Practices:** Git, Agile/Scrum, JIRA, WebSockets, Cypress, REST, GraphQL

EXPERIENCE

Full Stack Developer Intern
SimplexDiam INC, New York, USA   **Jan 2024 – Aug 2024**

- Developed a **scalable, user-friendly web application** for internal operations using **React.js, Node.js, and PostgreSQL**.
- Designed and implemented **RESTful APIs** for seamless data exchange between front-end and back-end services.
- Improved database query performance by 30% through **PostgreSQL indexing and query optimization**.
- Enhanced UI/UX with **React.js, Tailwind CSS, and Material UI**, improving user engagement.
- Deployed applications on **AWS (EC2, S3, Lambda)** for scalability and reliability.
- Collaborated with cross-functional teams using **Agile & Scrum methodologies**.

Web Developer
Advantmed India LLP, Gandhinagar, India   **Aug 2021 – Jul 2023**

- Developed and maintained responsive **full-stack web applications** using **JavaScript (Node.js, Express.js), Django, and MySQL**.
- Designed dynamic, interactive UI components with **React.js and Next.js**, improving page load speed by 40%.
- Implemented authentication and authorization using **Firebase Authentication & JWT tokens**.
- Integrated third-party APIs for data synchronization, reducing manual data entry efforts by 50%.
- Conducted **unit testing and debugging** to ensure **bug-free, optimized code**.

PROJECTS

Beyond - Book   **Feb 2025 – May 2025**
Technologies: Next.js, React, Tailwind CSS, Radix UI, Express.js, MySQL, Stripe, OpenAI

- Developed a community-driven platform featuring AI-based book recommendations, reading progress tracking, and user engagement tools.
- Implemented real-time chat and discussion forums using Django Channels and WebSockets for seamless interaction.
- Built personalized dashboards with analytics and visualizations using Chart.js and Recharts to monitor reading habits.
- Integrated Firebase for secure authentication and Django for backend services and content management.
- Focused on enhancing social reading experiences with scalable architecture and intuitive UI design.

E-Commerce Platform for Custom Jewelry   **Jan 2024 – Mar 2024**
Technologies: Next.js, Node.js, MongoDB, Stripe API

- Built a full-featured e-commerce application with custom checkout integration using Stripe for secure payments.
- Designed and implemented advanced product filtering and search using Elasticsearch and MongoDB aggregation pipelines.
- Leveraged Next.js for server-side rendering (SSR) and SEO optimization, resulting in faster load times and better discoverability.
- Developed an admin dashboard for inventory and order management, ensuring efficient backend operations.
- Deployed the platform on Vercel with environment-specific configurations for scalability and performance.

Face Verification Attendance System   **Aug 2022 – Dec 2022**
Technologies: Flask, OpenCV, TensorFlow, PostgreSQL

- Engineered a secure, AI-powered facial recognition attendance system using deep learning models built with TensorFlow and OpenCV for high-accuracy identity verification.
- Implemented real-time face detection and recognition pipeline with Haar cascades and CNN-based feature extraction.
- Developed a responsive and intuitive user interface in React.js for seamless attendance management.
- Designed scalable backend logic in Flask with REST APIs to manage user sessions, data logging, and attendance records.
- Achieved over 95% face recognition accuracy across diverse lighting conditions using model fine-tuning and preprocessing techniques.
- Integrated PostgreSQL for structured data storage and retrieval, ensuring reliability and speed in large datasets.
- Focused on clean architecture, security, and performance, making the system suitable for deployment in educational and corporate environments.

Advanced Matchmaking Algorithm System   **Jan 2022 – Jun2022**
Technologies: Python, Django, PostgreSQL, React.js

- Built a scalable AI-powered matchmaking platform processing 100,000+ user profiles with weighted compatibility scoring.
- Designed and implemented dynamic filtering, personalized search, and recommendation engine to improve match relevance.
- Utilized Django for robust backend services and PostgreSQL for efficient relational data management.
- Developed an interactive React.js frontend with real-time feedback and user preference learning features.