

RAHUL DAS

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Professional Summary

Versatile Full Stack Developer with expertise spanning web, mobile, and DevOps domains. Proven track record of architecting scalable applications using modern frameworks like Next.js, Django, React Native, and Go. Experienced in building production-grade systems handling 1,000+ users, implementing CI/CD pipelines, and optimizing performance across the entire development lifecycle. Seeking opportunities in full-stack development, frontend engineering, backend architecture, mobile development, or DevOps roles.

Education

Brainware University

West Bengal, India

Bachelor of Computer Applications (BCA)

2023 – 2026

- Relevant Coursework: Data Structures, Algorithms, Software Engineering, Database Management, System Design
- Focus Areas: Full-stack development, mobile application development, cloud architecture, and scalable systems

Professional Experience

Full Stack Web Developer

May 2023 – June 2024

Grasp Gross

Remote

- Architected and deployed full-stack web platform using Next.js and Django REST Framework, serving 1,000+ active users with 99.5% uptime and zero-downtime deployments
- Optimized database queries and RESTful API endpoints, reducing average response time by 40% through efficient indexing and caching strategies
- Implemented CI/CD pipelines using Docker and GitHub Actions, reducing deployment time by 60% and automating testing workflows across development environments
- Collaborated with cross-functional Agile teams of 5+ members to translate business requirements into scalable technical solutions following microservices architecture patterns
- Established containerization strategies with Docker Compose and Nginx reverse proxy, ensuring consistent deployments and simplified infrastructure management

Technical Projects

Finance Tracker SaaS Platform | *Next.js, Go Fiber, PostgreSQL, TypeScript, Recharts, Docker*

2024

- Engineered production-grade personal finance SaaS enabling 500+ users to track expenses with AI-driven budget forecasting and advanced analytics
- Built high-performance RESTful backend with Go Fiber handling 10,000+ requests/day, optimizing API response times to under 100ms through efficient middleware and connection pooling
- Designed scalable PostgreSQL schema with normalized tables supporting complex transaction categorization, recurring payments, and multi-currency handling
- Implemented interactive data visualizations using Recharts library, transforming financial datasets into actionable insights with responsive design

Real-Time Multiplayer Chess Platform | *React.js, Node.js, Socket.io, Docker, Chess.js*

2024

- Developed low-latency multiplayer gaming engine supporting 100+ concurrent games with real-time WebSocket communication and event-driven architecture
- Implemented FIDE-compliant chess logic using Chess.js library, ensuring cheat-proof server-side move validation and maintaining competitive integrity
- Containerized full application stack with Docker and established automated CI/CD pipeline, achieving consistent deployment across staging and production environments
- Optimized Node.js server performance to handle 500+ concurrent socket connections with minimal latency through efficient event loop management

CourseHunt EdTech Marketplace | *Next.js, Django REST Framework, PostgreSQL, Docker, Razorpay*

2023

- Built scalable B2C e-commerce marketplace handling 200+ courses with secure payment processing via Razorpay API integration and webhook verification
- Implemented server-side rendering with Next.js and RESTful API architecture with Django, achieving 95+ Lighthouse performance score through code splitting and lazy loading
- Designed secure webhook handling system for payment verification, ensuring zero transaction discrepancies across 1,000+ successful payments
- Enhanced UI consistency using Shadcn UI component library and Tailwind CSS, improving conversion rates by 25% through mobile-responsive design

Technical Skills

Languages: Python, JavaScript, TypeScript, Go (Golang), SQL, HTML5, CSS3

Frontend & Mobile: Next.js, React.js, React Native, Tailwind CSS, Shadcn UI, Responsive Design, Progressive Web Apps

Backend & APIs: Django, Django REST Framework, Node.js, Express.js, Go Fiber, Socket.io, RESTful APIs, Microservices

Databases: PostgreSQL, MongoDB, SQLite, Database Schema Design, Query Optimization, Indexing Strategies

DevOps & Cloud: Docker, Docker Compose, Git, GitHub Actions, CI/CD Pipelines, Nginx, Gunicorn, Traefik, Linux, Shell Scripting

Core Competencies: System Design, Microservices Architecture, WebSocket Communication, Payment Gateway Integration, Agile Development, Test-Driven Development, Data Structures & Algorithms