

RAHUL DAS

FULL STACK SOFTWARE DEVELOPER

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1. CAREER OBJECTIVE

My objective is to build a career as a full-stack developer where I can design secure, high-performance applications, explore new technologies, and contribute to impactful projects. I seek to take on challenges that enhance my problem-solving abilities and prepare me for leadership roles in the future.

2. TECHNICAL SKILLS

- Languages: Python, JavaScript, TypeScript, Golang
- Frontend: Next.js, React.js, React Native, Tailwind CSS, HTML, CSS
- Backend: Django, Django Rest Framework, Node.js, Express.js, Socketio, Fiber
- Databases: PostgreSQL, MongoDB, SQLite
- DevOps & Tools: Docker, Git, Web Servers (e.g., Nginx, Unicorn, Traefik)
- Version Control: Git, GitHub
- Others: Wordpres

3. PROFESSIONAL EXPERIENCE

Grasp Gross | Full Stack Web Developer

May 2023 - June 2024

- Developed a dynamic web platform, handling both front-end and back-end with Next.js and Django to enhance user experience and data management.
- Collaborated with cross-functional teams, improving adaptability and translating complex requirements into practical solutions.
- Diagnosed and resolved critical issues, refining problem-solving skills, understanding of scalable architecture, and commitment to clean code.

4. ACADEMIC PROJECTS

Finance Tracker App | Next.js, Go Fiber, PostgreSQL, TypeScript, Recharts

- **Architected a production-grade SaaS** personal finance platform, enabling users to track expenses and forecast budgets with granular accuracy.
- **Engineered a high-concurrency backend** using **Go Fiber**, optimizing API response times for rapid data retrieval and seamless user experience.
- **Implemented interactive data visualization** using charting libraries to render complex financial datasets into actionable insights, improving user engagement.
- **Designed a flexible database schema** in **PostgreSQL** to handle complex transaction categorization and recurring payments, ensuring data integrity at scale.

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

- **Developed a low-latency multiplayer gaming engine** supporting real-time bi-directional communication via **WebSockets (Socket.io)**.
- **Implemented strict game logic and move validation** adhering to official FIDE rules using Chess.js, ensuring a cheat-proof and robust competitive environment.
- **Containerized the application using Docker**, streamlining the CI/CD pipeline and ensuring consistent deployment across development and production environments.
- **Optimized server performance** to handle concurrent socket connections, demonstrating proficiency in managing stateful connections and scalable architecture.

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

- **Built a scalable B2C e-commerce marketplace** facilitating the buying and selling of educational content with a focus on high availability.
- **Integrated Razorpay Payment Gateway**, implementing secure webhook handling and transaction verification to process payments with **zero data discrepancies**.
- **Designed a decoupled architecture** using **Next.js** for server-side rendering (SSR) and **Django REST Framework** for a robust, secure API layer.
- **Enhanced user interface (UI)** consistency using **Shadcn UI**, resulting in a responsive and accessible design that improves navigation and conversion rates.

5. EDUCATION

Bachelor of Computer Applications | Brainware University

2023 - 2026

- I am currently pursuing Bachelor of Computer Applications (BCA), focusing on building a strong foundation in computer science and application development.
- Gaining expertise in data structures, algorithms, software development, and database management, strengthening my problem-solving and programming skills.
- Developing a deep understanding of web development, networking, and system design, equipping me with the technical foundation needed for a successful career in full-stack development.