

Sarthak Sarangi

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Summary

Full-Stack Software Engineer specializing in **React, Node.js, and TypeScript** with proven ability to build scalable web applications. Currently expanding backend expertise through enterprise database development while maintaining proficiency in modern full-stack technologies. Strong foundation in **RESTful APIs and database optimization**.

Technical Skills

Languages: JavaScript, TypeScript, SQL (PL/SQL), Java, Python
Frontend: React.js, HTML5/CSS3, Tailwind CSS, Chakra UI, TanStack Query
Backend: Node.js, Express.js, Hono, RESTful APIs, Microservices, JWT
Databases: PostgreSQL, MongoDB, Oracle Database, Prisma ORM
Cloud & DevOps: Cloudflare Workers, Docker, Git, CI/CD, Vercel

Experience

Software Engineer

Aug 2024 – Present

Ericsson

Kolkata, IN

- Developed backend solutions for enterprise supply chain platform serving **1,000+ users**, implementing business logic through **PL/SQL procedures and Oracle scheduler jobs** integrated with **ASP.NET** application layer.
- Engineered data processing workflows including validation, transformation, and XML/CLOB parsing, managing full SDLC from requirements to deployment.
- Optimized database queries and refactor legacy code, achieving **30-50% performance improvements** and **40% better data accuracy**.

DevSecOps Intern

Jan 2024 – July 2024

Ericsson

Kolkata, IN

- Architected full-stack Meal Booking Application using **Node.js, Express.js, PostgreSQL, and Prisma ORM** with **JWT-based RBAC** supporting 3 user roles, achieving **99.9% uptime**.
- Designed scalable microservices architecture with RESTful APIs and comprehensive validation supporting concurrent users.
- Built responsive **React frontend with TypeScript and TanStack Query**, implementing caching strategies that reduced API calls by **40%**.

Projects

Blogify | *React, TypeScript, Hono, Cloudflare Workers, PostgreSQL*

Jan 2025 - Apr 2025

- Architected full-stack blogging platform using **React with TypeScript** and **Hono serverless backend** on **Cloudflare Workers**, implementing JWT authentication and CRUD operations for multi-user support.
- Integrated **Tiptap rich text editor** and **Cloudinary CDN** with automatic image optimization, reducing sizes by **60-80%**.

MockPay | *MERN Stack, JWT, MongoDB, React*

June 2024 - Aug 2024

- Built secure peer-to-peer payment application using **MERN stack** with **JWT authentication** and real-time transaction processing supporting **3 user roles** with granular permissions.
- Implemented dynamic user search with **MongoDB indexing** and developed wallet management interface with transaction history, handling transfers between **50+ test accounts**.

AI Keyword Extractor | *React, OpenAI API, Chakra UI*

Mar 2024 - Apr 2024

- Developed React application integrating **OpenAI GPT API** for intelligent keyword extraction, extracting **5-15 contextually relevant keywords** from text inputs using custom prompt engineering.
- Designed responsive UI with **Chakra UI**, handling documents up to **2,000 words** with optimized API call management.

Education

Institute of Technical Education and Research, Bhubaneswar

2020 - 2024

Bachelor of Technology in Computer Science and Engineering

CGPA: 8.8/10.0

Achievements & Certifications

Problem Solving: 450+ LeetCode Problems Solved (Top 15%), HackerRank SQL 5-Star Rating

Certifications: Full Stack Web Development Bootcamp, Oracle SQL Certification (Udemy), Data Structures & Algorithms (Apna College)