

UTSAV KHATRI

Full Stack Developer

+91 6355321582

khatriutsav40@gmail.com

in Utsav Khatri

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PROFESSIONAL SUMMARY

Dynamic and results-oriented Full Stack Developer with comprehensive experience in designing, developing, and deploying scalable, cloud-native web applications and robust APIs. Proven expertise in **React.js**, **Node.js**, and **AWS** cloud services, consistently delivering high-impact solutions, including a fintech platform managing substantial transaction volumes. Adept at full software development lifecycle (SDLC) management, API performance optimization, and collaborative leadership within agile environments. Passionate about leveraging cutting-edge technologies to solve complex business challenges and foster team growth through mentorship.

TECHNICAL SKILLS

- **Frontend:** *React.js, Next.js, Redux, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Shadcn UI, Material-UI, Responsive Web Design, UI/UX Optimization, Data Visualization (Recharts)*
- **Backend:** *Node.js, Bun.js, Hono.js, Express.js, RESTful API Design & Development, GraphQL, Microservices Architecture, WebSockets, Serverless Functions (AWS Lambda, Cloudflare Workers)*
- **Databases:** *PostgreSQL, MongoDB, MySQL, SQL, NoSQL, Drizzle ORM, Prisma, Database Design & Optimization, Data Modeling, Caching Strategies (Redis)*
- **Cloud & DevOps:** *AWS, Cloudflare Workers, Vercel, Netlify, CI/CD Pipelines (GitHub Actions, Jenkins), Docker, Git, Version Control*
- **Security & Performance:** *API Security, Data Encryption, Application Performance Monitoring & Tuning, Load Balancing, Code Optimization, Web Application Firewalls (WAF)*
- **Tools & Methodologies:** *VS Code, Postman, Swagger/OpenAPI, Figma, Jira, Agile/Scrum Methodologies, Test-Driven Development (TDD), Unit & Integration Testing*

PROFESSIONAL EXPERIENCE

Web Developer — Zignuts Technolab, Gujarat, India

January 2023 - Present

- Spearheaded the development of critical project components, demonstrating advanced technical leadership and effectively guiding team members in full-stack development best practices.
- Engineered and deployed robust, high-availability RESTful APIs using Node.js and Express.js, achieving significant improvements in API response times and throughput via strategic query optimization (PostgreSQL) and advanced caching mechanisms (Redis).
- Developed highly scalable backend services and microservices using Node.js, ensuring efficient processing of substantial daily data transaction volumes while maintaining exceptional system uptime and data integrity for mission-critical applications.
- Led the end-to-end design and implementation of complex, intuitive, and responsive user interfaces with React.js, Redux, and Material-UI, markedly enhancing user engagement, satisfaction, and conversion metrics.
- Designed, developed, and integrated comprehensive security modules, including JWT-based authentication and fine-grained Role-Based Access Control (RBAC), considerably strengthening application security posture and protecting sensitive user data.
- Actively mentored and coached junior developers in modern web technologies and agile development practices, fostering a collaborative environment that elevated team-wide code quality, streamlined onboarding processes, and demonstrably boosted overall team productivity and project velocity.
- Championed the adoption and continuous improvement of CI/CD pipelines (GitHub Actions, Jenkins), substantially accelerating software release cycles, enhancing deployment reliability, and enabling faster

delivery of valuable features to end-users.

Key Projects at Zignuts Technolab:

• Restaurant Inventory Management System

- Led architecture and development of a scalable backend (Node.js, Strapi v4, PostgreSQL) to manage high-volume daily transactions, resulting in streamlined inventory tracking and a notable reduction in operational discrepancies.
- Implemented advanced PostgreSQL schema optimizations and query refinements, dramatically improving financial reporting speed and enhancing the efficiency of order processing workflows.
- **Technologies:** Node.js, Strapi v4, PostgreSQL, RESTful APIs, JWT, RBAC, Agile.

• Comprehensive Education Management Platform

- Engineered a high-throughput backend infrastructure (Node.js, Sails.js, PostgreSQL) capable of supporting a large, concurrent user base and vast content libraries, ensuring seamless scalability and sustained performance under heavy load.
- Integrated **AWS SQS** for efficient asynchronous task processing (e.g., bulk notifications, report generation), significantly mitigating peak server load and enhancing overall system responsiveness.
- **Technologies:** Node.js, Sails.js, PostgreSQL, AWS SQS, RESTful APIs, Microservices.

• Financial Transaction Management System

- Drove the development of a secure, high-volume fintech platform (Node.js, Sails.js, SQL) processing substantial daily transactions while upholding stringent security standards, resulting in zero security breaches and exceptional data integrity.
- interactive data visualization dashboard using React.js and Recharts, empowering administrators with actionable insights and markedly streamlining financial analysis and reconciliation processes.
- **Technologies:** Node.js, Sails.js, SQL, Advanced Security Protocols, Data Encryption, Recharts.

• Cloud Procurement & Bidding Platform

- Constructed a feature-rich cloud procurement system incorporating real-time bidding via **Socket.io** with Node.js and Express.js, leading to increased auction participation and improved user satisfaction.
- Seamlessly integrated critical third-party APIs (AWS services, Brevo, Open Exchange Rates) to automate and optimize procurement workflows and stakeholder communication.
- **Technologies:** Node.js, Express.js, Socket.io, WebSockets, AWS Services, RESTful APIs, PostgreSQL.

• Large-Scale Organization Management SaaS (Frontend Refactoring)

- Executed a comprehensive refactoring of a large-scale legacy **React.js** application, applying modern best practices, code splitting, and lazy loading techniques to substantially improve application performance, reduce load times, and enhance maintainability.
- **Technologies:** React.js, Redux, Styled Components, Webpack, Performance Optimization, Code Refactoring.

• Enterprise Employee Relationship Management SaaS

- Architected and implemented a secure, scalable multi-tenant SaaS platform using Strapi v4 and PostgreSQL, successfully supporting numerous distinct client organizations with high availability and robust data isolation.
- **Technologies:** Strapi v4, PostgreSQL, JWT, RBAC, Multi-tenancy Architecture.

PERSONAL PROJECTS

Expense Tracker Pro — [GitHub](#) — [Live Demo](#)

- Developed a full-stack, AI-enhanced finance management application by integrating **Google's Gemini AI model (via Vercel AI SDK)** to provide intelligent expense categorization and actionable financial insights.
- Implemented secure **JWT** authentication, robust transaction management features, and dynamic data visualization dashboards using **Recharts** for an intuitive user experience.
- **Technologies:** Next.js, TypeScript, Bun.js, Hono.js, Drizzle ORM, PostgreSQL, Gemini AI, Vercel AI

SDK, REST APIs.

AI Image Generator (Flux Model) — [GitHub](#) — [Live Demo](#)

- Constructed a responsive web application using **Next.js** and TypeScript, integrating the **Fal.ai API (Flux Model)** to enable real-time, on-demand AI image generation with efficient backend request handling.
- **Technologies:** TypeScript, React.js, Next.js, Fal.ai API, REST API Integration, Tailwind CSS.

Serverless APIs with Cloudflare Workers — [GMP API Demo](#) — [Statement Parser Demo](#)

- Engineered and deployed highly performant, low-latency serverless APIs on the **Cloudflare Workers** edge computing platform.
- Developed a specialized PDF parsing worker for accurate financial data extraction from documents like bank statements, achieving high precision in information retrieval.
- **Technologies:** Cloudflare Workers, TypeScript, Serverless Architecture, Edge Computing, PDF Parsing.

Blog Sync (MDX Blog) & IPO GMP Tracker — [Blog Demo](#) — [IPO Tracker Demo](#)

- Built a performance-centric **Next.js** blog platform leveraging **MDX** for rich content creation and Static Site Generation (SSG) for optimal load times and SEO benefits, achieving excellent Lighthouse scores.
- Developed a dynamic, real-time financial dashboard to track IPO Grey Market Premiums (GMP), featuring interactive data visualizations.
- **Technologies:** Next.js, React.js, TypeScript, MDX, Tailwind CSS, SSG, Data Scraping, Data Visualization.

INTERSHIPS

React.js Intern — Infolabz, Gujarat, India

June 2022 - July 2022

- Rapidly acquired proficiency in React.js through an intensive 15-day program, successfully developing and delivering a full-featured web application with REST API integration ahead of schedule.
- Demonstrated strong problem-solving skills and adaptability in a fast-paced learning environment, contributing effectively to project goals.
- **Technologies:** React.js, JavaScript, REST APIs, Git, Agile Principles.
- **Outcome:** The developed project was recognized for its quality and adopted as a benchmark for subsequent intern cohorts.

EDUCATION

Bachelor of Engineering in Information Technology — Gujarat Technological University

2019 -

2023

HGCE, Ahmedabad, Gujarat, India

- **CGPA: 8.8/10.0 — CPI: 8.9/10.0**
- Relevant Coursework: Data Structures & Algorithms, Database Management Systems, Object-Oriented Programming, Web Development Technologies, Software Engineering Principles, Operating Systems, Computer Networks, Cloud Computing.
- Final Year Project: Led the development of a comprehensive "Event Management Platform" as a full-stack application using **React.js** and **Node.js**, earning the highest grade in the cohort for design, functionality, and implementation.

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

- Google Digital Marketing Certificate (*Google*)
- Microsoft Azure Cloud Fundamentals Workshop (*Microsoft*)
- Graphics Design Professional Course
- Internet of Things (IoT) Practical Workshop (*HGCE*)

ADDITIONAL INFORMATION

- **Languages:** English, Hindi, Gujarati
- **Professional Skills:** Technical Leadership, Cross-functional Collaboration, Agile Project Management (Scrum), Advanced Problem-Solving, Analytical Thinking, Code Review & Quality Assurance, Mentorship & Team Development, Effective Communication.
- **Technical Interests:** Advanced Microservices Patterns, Serverless Architectures, Applied Artificial Intelligence (AI) & Machine Learning (ML), Generative AI, Large Language Models (LLMs), Web Security Fortification, System Performance Engineering, Evolving API Design Standards.