

Ravi Kishan

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Performance-driven Full Stack Developer & Computer Science enthusiast skilled in building scalable, secure, high-performance solutions across web, mobile, and cloud platforms. Proficient in cloud-native development, microservices, and DevOps, with expertise in designing robust infrastructures optimized for seamless scalability and automation. Passionate about system optimization, CI/CD, and software reliability.

EDUCATION

VIT, VELLORE MCA

Present | Vellore, TN, India
Sem. GPA: 9.1

PIMRG, GWALIOR BCA

June 2024 | Gwalior, MP, India
Cum. GPA: 9.6

BSEB, PATNA HSC

May 21 | Patna, Bihar, India
Percentage: 74%

BSEB, PATNA SSC

May 19 | Patna, Bihar, India
Percentage: 83.2%

COURSEWORK

Computer Programming, Computer Network, DBMS, Operating System, Machine Learning, Software Engineering, Data Structures and Algorithms, Artificial Intelligence, Cloud Computing, OOPS, Cyber Security, Software Testing, Web Development

SKILLS

PROGRAMMING

Programming Languages: JavaScript, TypeScript, Java, Python, Go, Rust, C++, C, PHP

Frontend Technologies: React.js, Next.js, Tailwind CSS, Astro.js, Redux, Redux Saga, Redux Toolkit, Redux Thunk

Backend Frameworks: Node.js (Express, NestJS), Django, Flask, Laravel, Spring Boot

Databases: PostgreSQL, MySQL, MongoDB, Firebase, Redis, Neo4j, Elasticsearch, SupaBase

Cloud DevOps: AWS (EC2, S3, Lambda), Azure, GCP, Docker, Kubernetes, Terraform, CI/CD (GitHub Actions, Jenkins), CDN, Linux

Other Tools: Kafka, RabbitMQ, Webpack, Selenium, Jest, Mocha, Chai, WebAssembly, Git, Flutter, ELK, Prometheus, Grafana

EXPERIENCE

CHITI INFOTECH PVT. LTD. | FULL STACK DEVELOPER INTERN Jan 2023 – Sep 2023 | Gwalior, MP

- Spearheaded the migration of a legacy **monolithic PHP application** to a modern **React-based Single Page Application (SPA)**, improving performance by **40%** and reducing load times.
- Developed and deployed **SPLANGO**, a customer management system, enabling businesses to efficiently track resources, onboard new clients, and streamline workflows.
- Implemented **Progressive Web App (PWA)** support, ensuring cross-platform compatibility and improving accessibility for users across multiple operating systems.
- Optimized front-end performance by leveraging **React best practices**, state management, and modular architecture, leading to a **25% reduction in API response time**.
- Collaborated with cross-functional teams using **Git and GitHub**, improving version control workflows and accelerating feature deployment by **30%**.
- Gained hands-on experience in **project management, time management, problem solving**, and effective team collaboration.

FREELANCE FULL STACK DEVELOPER | UPWORK (REMOTE) & OFFLINE CLIENTS

Jan 2022 – Present | Remote & Onsite

- Successfully delivered **25+ projects** for global clients, including enterprise applications, SaaS platforms, and e-commerce solutions.
- Designed and deployed scalable **MERN stack applications** with optimized performance, resulting in a **35% increase in client engagement**.
- Developed **RESTful APIs and GraphQL endpoints** for seamless data communication, enhancing application efficiency and responsiveness.
- Implemented **DevOps best practices**, including CI/CD pipelines with **Docker, GitHub Actions, and AWS**, reducing deployment times by **50%**.
- Designed and optimized **database architectures** using **MongoDB, PostgreSQL, and MySQL**, ensuring high availability and performance.
- Integrated **authentication and authorization mechanisms**, including **OAuth, JWT, and Role-Based Access Control (RBAC)** for secure user management.
- Developed and optimized **SEO-friendly and accessible web applications**, improving search engine rankings and user experience.
- Collaborated with clients to define project scope, timelines, and deliverables, ensuring timely completion and high client satisfaction.

PROJECTS

RELAX.JS | A LIGHTWEIGHT AND MODERN FRONTEND LIBRARY

Jan 2025 | JavaScript, TypeScript, Vitest

- Designed and developed **Relax.js**, a virtual DOM-based frontend library to optimize UI rendering and state management.
- Achieved **efficient DOM updates**, leading to a **35% performance boost** in dynamic web applications.
- Published as an open-source **NPM package**, gaining **1000+ downloads within the first month**.
- GitHub:** github.com/Ravikisha/Relax.js | **Live:** npmjs.com/package/relaxcore

MICROFRONTEND BLOG | SCALABLE BLOGGING PLATFORM USING MICROFRONTENDS

Dec 2024 | React, Module Federation, Redux, Clerk, Firebase, TailwindCSS

- Developed a **microfrontend-based blogging platform**, enabling independent feature deployments and modular architecture.
- Integrated **Firebase** for seamless database management, reducing API response times by **25%**.
- Used **Clerk** for secure user authentication, improving login efficiency by **40%**.
- GitHub:** github.com/Ravikisha/Microfrontend-Blog

RELAXLANG | A SIMPLE INTERPRETED PROGRAMMING LANGUAGE

Jan 2024 | Java, C

- Built **RelaxLang**, an interpreted programming language inspired by **Lox** from **Crafting Interpreters**.
- Implemented in both **Java** and **C**, supporting lexical analysis, parsing, and execution of scripts.
- Designed a **custom runtime environment**, improving script execution efficiency by **20%**.
- GitHub:** github.com/Ravikisha/Relax.js | **Live:** <https://hub.docker.com/repository/docker/ravikishan63392/relaxlang>

GITASAAR | AI-POWERED BHAGAVAD GITA KNOWLEDGE ASSISTANT

Aug 2023 | LangChain, Flask, OpenAI LLM, Embeddings, BeautifulSoup4

- Developed **GitaSaar**, an AI application delivering Bhagavad Gita-based solutions to real-life issues.
- Employed **web scraping** to compile accurate **shlokas and interpretations**.
- Achieved **85%+ accuracy** in responses using **LangChain** and **OpenAI's LLM**.
- Enhanced query precision by **40%** through optimized **semantic search**.
- Reduced processing time by **30%** with a scalable **Flask** backend.
- Authoring a research paper on AI in spiritual domains.
- GitHub:** github.com/ravikisha/gitasaar

CERTIFICATIONS & TRAINING

- Achieved **Microsoft Certified: Azure Fundamentals (AZ-900)** and **Azure AI Fundamentals (AI-900)**, demonstrating expertise in **cloud computing, AI services, and Azure architecture**.
- Earned the **IBM Full-Stack Developer** Certification on Coursera, completing **12 courses** covering:
 - Cloud Computing** and deployment strategies
 - Front-End Development** with **React, Redux, and TypeScript**
 - Back-End Development** using **Flask, Django, Node.js, and MongoDB**
 - Microservices Architecture** and **DevOps** best practices
- Completed the **Meta Full-Stack Developer** Certification on Coursera, covering:
 - HTML, CSS, JavaScript, and TypeScript** for scalable web applications
 - React and Single Page Applications (SPA)** for interactive UIs
 - Backend Development** using **Python, Express.js, and Node.js**
 - Continuous Integration/Continuous Deployment (CI/CD)** and **DevOps**
- Certified in **React Bootcamp** (Udemy), mastering **React, Redux, TypeScript, and advanced component design patterns**.
- Earned the **DevOps Certification** (Udemy), covering:
 - Jenkins, Ansible, Docker, Kubernetes, Terraform, Gradle, and Maven**
 - Infrastructure as Code (IaC)** and **cloud automation techniques**
- Passed multiple **HackerRank Certification Tests**, demonstrating technical proficiency in:
 - JavaScript, Python, SQL, Node.js, and React** (Basic & Intermediate Levels)
 - Problem-Solving and Algorithmic Thinking**
- Full-Stack Development Training** at **Praedico Global Research Pvt. Ltd.** on MERN stack and build Student Management System and personal **Portfolio** website. (Dec 1, 2023 – Dec 21, 2023).

ACHIEVEMENTS & AWARDS

- Participated in multiple **Open-Source Contribution Events and Hackathons**, demonstrating proficiency in **collaborative development, version control (Git/GitHub), and Agile methodologies**.
- Successfully completed the **Microsoft Learn Student Ambassador (MLSA)** program, gaining expertise in **Azure Cloud, AI, Full-Stack Development, and community leadership**.
- Solved **1,200+ problems** on **LeetCode** and **GeeksforGeeks**, demonstrating expertise in **data structures, algorithms, problem-solving, and code optimization**, aligning with industry standards.