

Vishnuprasad Bhat

Lead Software Development Engineer

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Full-Stack Developer (AI & Web) with 5+ years of experience in building responsive, scalable UIs and backend services using React, Next.js, FastAPI, and Python. Skilled in integrating AI APIs, RAG modules, and databases into production-ready applications. Adept at developing reusable components, secure data flows, and RESTful APIs.

PROJECTS

- **Custom-Guardrails** – Built a configurable and pluggable framework using open-source python libraries, enabling seamless integration with custom validator selection for LLM safety and validation.
- **AI Recruitment Engine** – Developed an AI-powered engine with FastAPI and Next.js using Gemma3 via Ollama to analyze resumes against job descriptions, enabling bulk candidate evaluation and skill-based scoring for acquisition teams.
- **Document Summary & RAG System** – Developed an AI-powered document summarization and question-answering system using RAG, Langchain, and Streamlit.
- **Extractor Tool** – Built a microservice-based frontend using Next.js and Material UI to extract and present core banking parameters from Temenos.
- **Business Application** – Developed a customer-centric digital banking frontend with Next.js and Chakra UI, covering onboarding, payments and user management.
- **CRM Application** – Created React-based CRM system with dashboards, case management using reusable components for southeast Asia's first digital bank.
- **Forkify** – Developed a vanilla JavaScript recipe app with search, bookmarking, and real-time data from the Forkify API.
- **Omnifood** – Built a responsive, single-page website for a fictional AI-powered food delivery service using HTML and CSS.
- **Detachable Smart Faucet** – Designed a low-cost, IoT-based smart faucet prototype using Arduino and sensors; awarded Indian patent and government grants.

EXPERIENCE

Jun 2022 – Present

Lead SDE | Maveric Systems | Bengaluru, India

- Working as Lead AI Engineer, building AI/LLM-based POCs like custom guardrails, recruitment engines, and RAG systems for enterprise use cases.
- Collaborating with cross-functional teams to deliver scalable AI solutions for banking and fintech clients.
- Developed and enhanced features for digital banking applications (onboarding, payroll, payments, user management) using reusable ReactJS components, improving code maintainability by **50%**.
- Built responsive, interactive dashboards to improve user experience across platforms.
- Led the development of an internal tool (Next.js-based) to fetch complex data from Temenos core banking and present it in a user-friendly interface.
- Mentored junior team members, contributed to design discussions, and played a key role in architectural decisions.

Oct 2019 – May 2022

Senior Systems Engineer | Infosys Limited | Bengaluru, India

- Developed an Identity & Access Management (IAM) web application for a major US-based food company using ASP.NET and React.
- Improved grid view performance by optimizing data binding.
- Automated recurring operational tasks using **Windows Schedulers**.
- Actively involved in requirement gathering, system design, development, and testing phases.
- Collaborated closely with operations to reduce downtime by **80%**.
- Maintained and fine-tuned production databases to ensure optimal performance.

SKILLS

Languages

TypeScript, JavaScript, Python, SQL

Web Technologies

ReactJS, Next.js, FastAPI, Redux

IDEs

VS Code, Jupiter Notebook, Visual Studio

Version Control

Git

Database

MongoDB, MySQL

Scalable ML and Gen AI (learning)

Langchain, transformers, PyTorch, Streamlit

ACHIEVEMENTS

- **Mentorship Award (2023)** – Recognised for guiding and supporting junior developers on Frontend Stacks.
- **Maveric Leadership Award (2023)** – For going beyond role responsibilities to drive project success.
- **Rising Star Award (2020)** – RCLADM CROWN Awards, Infosys Q1-FY'21.
- **Best Final Year Project & Project Champion Award (2019)** – For “Detachable Smart Faucet”.

EDUCATION

Jul 2019

Bachelors of Engineering | B.N.M. Institute of Technology | Bengaluru

- Electronics and Communication Engineering
- Designed and implemented an affordable prototype to replace expensive smart faucets - Detachable Smart Faucet
- CGPA: 7.91

CERTIFICATIONS

- The Complete JavaScript Course (2024) – Udemy
- Modern React with Redux – Udemy
- Build Responsive Real-World Websites with HTML & CSS – Udemy