Dhruvi Mandaviya

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PROFESSIONAL SUMMARY

Full Stack Developer with 4+ years of experience in designing and deploying web applications. Skilled in backend development with Python, cloud solutions (Azure, AWS), and AI-driven tools like RAG. Experienced in front-end development with Vue.js and React.js, and adept at optimizing performance and user experience. Strong communicator and team player with a passion for problem-solving and continuous learning to drive innovation and deliver high-quality projects. Proven ability to work collaboratively in Agile teams and effectively communicate complex technical concepts to both technical and non-technical stakeholders.

TECHNICAL SKILLS

- **Frontend**: HTML5, CSS3, JavaScript, Vue.js, React.js, TypeScript
- **Backend**: Python (Django, Flask), Node.js, Express.js
- **Databases**: SQL (MySQL, PostgreSQL), NoSQL (MongoDB, Firebase)
- **Cloud & DevOps**: Azure, AWS, Docker, Kubernetes, CI/CD pipelines
- **AI & Machine Learning**: RAG, LLMs, OpenAI, LangChain, NLP, TensorFlow, PyTorch
- **Version Control**: Git, GitHub, GitLab
- **Deployment Tool:** Amazon S3, EC2, Jenkins, Dockers

EXPERIENCE

AWS Certified Cloud Practitioner - AWS	**Oct 2024**
Azure AI Fundamentals – Microsoft	**Dec-2024**

EXPERIENCE

Freelancer Full-Stack Developer	**Jun 2021 – Present**

Self-Employed

- Designed Architected and implemented full-stack web applications using **Python for backend** and **Vue.js, React.js for frontend**, ensuring seamless user experiences and efficient backend processing.
- Designed and developed a **full-stack AI-powered knowledge assistant** using Python, Vue.js, and Azure, integrating LLMs and RAG models for intelligent document retrieval.
- Built scalable and secure RESTful and GraphQL APIs using FastAPI and Django, optimizing data retrieval efficiency and enhancing system performance.
- Developed a **real-time analytics dashboard** leveraging Vue.js and Tableau to visualize key performance indicators.
- Implemented **Azure-based cloud solutions**, including serverless functions, containerized applications, and storage solutions, improving scalability and reliability.
- Integrated authentication and authorization mechanisms using OAuth2, JWT, and Role-Based Access Control (RBAC).
- Improved database performance by optimizing queries, implementing indexing strategies, and utilizing caching mechanisms.

Software Developer	**Jan 2021–Dec 2022**

Instance IT Solutions – India

- Developed and maintained **responsive web applications** using **HTML5, CSS3, JavaScript, and React.js**, improving UI/UX and application accessibility.
- Assisted in building and integrating **RESTful APIs** using **Python (Django, Flask) and Node.js (Express.js)** for seamless data exchange.

- Designed and optimized **relational (MySQL, PostgreSQL) and NoSQL (MongoDB, Firebase) databases**, improving query performance and data retrieval efficiency.
- Implemented **TypeScript** in frontend applications, enhancing code maintainability and reducing runtime errors.
- Collaborated with senior developers to troubleshoot and fix **backend performance bottlenecks**, improving API response times.
- Assisted in setting up **CI/CD pipelines** for automated testing and deployment using GitHub Actions and Docker.
- Wrote **unit and integration tests** for frontend and backend applications, improving software reliability and reducing bugs.
- Participated in **code reviews and Agile development cycles**, actively contributing to sprint planning and feature development.
- Integrated third-party services and APIs, including payment gateways and cloud storage, expanding application functionalities.

EDUCATION

Software Engineering Technology - Artificial Intelligence Advanced Diploma   January 2023 – Dec 2024
Centennial College, Toronto, ON

Bachelor of Engineering – Information Technology Engineering   April 2017 - May 2021
Gujarat Technological University, Gujarat, India

PROJECT

AI-Powered Travel Planning & Recommendation Tool
- Led the design and development of a **web-based AI-powered travel tool** aimed at automating itinerary generation and personalizing travel recommendations for users.
- **Developed AI-driven recommendation engine** using **Python (TensorFlow, OpenAI API)** to automate itinerary creation based on user preferences like budget, interests, duration, and season.
- Integrated multiple travel APIs, including **Google Maps, Apple Maps, Skyscanner, Booking.com, and Airbnb**, to provide real-time data for flights, hotels, and local attractions.
- **Built the backend** using **Node.js** and **Express.js** to manage user data, automate itineraries, and support integration with external APIs.
- Designed and developed **frontend features** with **React.js and Vue.js**, allowing users to customize their travel plans and generate personalized recommendations.
- Utilized **Firebase** for **cloud-based data storage**, enabling real-time updates of travel plans across multiple users and ensuring seamless user experience.
- Implemented **PDF export functionality** to allow users to download their travel plans for offline use.
- **Managed project timelines and resources** to ensure on-time delivery, collaborating with junior developers and guiding them through the development process.
- Conducted **user testing and feedback analysis**, leading to continuous improvements and optimization of the tool.
- Created comprehensive **technical documentation and deployment guides** to assist in tool implementation and end-user training.
- Recognized for **innovative contributions** with a **"Best Innovation Project"** award and the **Star Performer Award** for exceptional performance and commitment to deadlines.