Akshay Patel

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PROFESSIONAL SUMMARY

Software Engineer with **4+ years** of experience building and scaling robust applications from concept to deployment. Proven expertise in developing with **React**, **React Native**, and **Node.js** in fast-paced environments. Passionate about leveraging **AI/ML** to create impactful software and comfortable taking ownership across the entire development lifecycle, from **back-end architecture** to **front-end experience**.

TECHNICAL SKILLS

Programming Languages	: JavaScript, TypeScript, Python, Java, SQL
Frontend & Mobile	: React Native, React, Redux, HTML/CSS
Back-End & Databases	: Node.js, Flask, REST APIs, GraphQL, PostgreSQL, MongoDB
Cloud & DevOps	: AWS (EC2, S3, Lambda), Docker, CI/CD, GitHub, Azure, Firebase
AI & ML	: LangChain, Transformers, Hugging Face, TensorFlow, Sentence-BERT

EXPERIENCE

Teaching Assistant - San Francisco Bay University, Fremont, CA   **Feb 2024 – Jul 2024**
- Mentored 20+ graduate students in advanced **GenAI**, guiding the development of **LLM pipelines** and the deployment of **LangChain agents** to solve practical NLP problems.

Software Engineer - e-Infochips   **Nov 2022 – Aug 2023**
- Engineered scalable full-stack solutions, developing backend services with **TypeScript** and **PostgreSQL** and building corresponding **mobile** and **web interfaces** with React Native.
- Drove the architecture and deployment of reusable scaffolding tools with **Cookiecutter**, creating a modular infrastructure that reduced new application setup time by **70%**.
- Collaborated closely with product managers and designers in an **Agile** environment to define and launch user-centric tools, enhancing real-time **monitoring capabilities for 3+ teams**.
- Reduced incident debugging time **by 55%** by designing and deploying custom UI components and centralized logging utilities.
- Optimized application performance across the stack, integrating **GraphQL**/**REST APIs** to reduce response times by **25%** and resolving critical bugs to maintain **99.9% system uptime**.

Software Engineer - Moon Technolabs Private Limited   **Feb 2019 – Nov 2022**
- Led the full-stack development of **10+** cross-platform mobile applications using React Native, managing the complete lifecycle from architecture design to deployment on the **iOS** and **Android** app stores.
- Built and maintained robust **backend features** including secure authentication, real-time messaging, and data synchronization using **WebSockets** and **Firebase**.
- Engineered high-performance, pixel-perfect user interfaces with React Native, implementing optimizations that improved initial app load time by **35%**.
- Mentored **4 junior developers**, establishing best practices for code quality & testing that contributed to a **99% bug-free codebase**.

EDUCATION

MS in Computer Science at San Francisco Bay University, Fremont, CA (GPA: **3.91**)	**Aug 2023 – May 2025**
BS in Information Technology at Gandhinagar Institute of Technology, Gandhinagar, India	**May 2015 – Apr 2019**

PROJECTS

SEEKRZ | *React Native, GraphQL, AWS S3, Redux, Analytics* | ***iOS App*** | ***Android App***
- Designed and deployed a full-stack fashion resale marketplace for **iOS** and **Android**, integrating **AWS S3** for optimized image handling and GraphQL for real-time queries, which resulted in **30% faster performance**.

JAIMACA – Tours and Travels | *React Native, Firebase, Google Maps API, Stripe*
- Architected and launched a full-stack, Uber-style taxi booking application using **React Native**, implementing a backend with Firebase, secure **Stripe payments**, and **Google Maps API** for real-time route optimization.

AI Academic Advisor | *React, Flask, PostgreSQL, MongoDB, LSTM, Transformers*
- Built a hybrid recommendation engine with a Flask backend, integrating LSTM models and optimizing database performance with indexing and sharding to **reduce response time by over 60%** while delivering real-time academic planning.

SkillSnap – Intelligent Candidate Matcher & AI Coach | *React, Flask, LangChain, AWS, Docker*
- Engineered a full-stack AI system to analyze resumes and simulate interviews, integrating a **LangChain** powered agent and deploying the backend on **AWS** with **Docker** for scalability.

AWARDS / CERTIFICATES

- **1st Prize in Prompt Engineering Contest** – SFBU (2024)
- **Oracle Cloud Infrastructure 2024 Generative AI Certificate** (2024)
- "**Megastar of Hybrid Technology**" – Moon Technolabs (2021, 2022)