

Heet Raval

SOFTWARE ENGINEER - Python, SQL and Spring Boot

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SKILLS

- **Programming Languages:** Python, SQL, C, JavaScript, Java, Ruby, Go, R, Swift, Kotlin, TypeScript
- **Frameworks & Libraries:** React, Node.js, Spring Boot, Express, Django, Flask, Angular, Vue.js, Laravel
- **Tools & Platforms:** Git, GitHub, AWS, ESLint, Docker, Jenkins, Kubernetes, Terraform, CI/CD, Vagrant
- **Web Development:** RESTful APIs, JWT Authentication, WebSocket APIs, GraphQL, HTML5, CSS3.

WORK EXPERIENCE

Software Engineer

August 2021 – May 2023

Learniphi Technology Pvt Ltd

Ontario

- Developed secure RESTful APIs using Spring Boot, implementing JWT authentication and OAuth 2.0, enhancing database integration with MySQL, resulting in a 40% improvement in response time and a 30% query latency.
- Built full-stack web applications using MongoDB, Express, React, and Node.js, achieving 35% faster deployment cycles through code modularity & reusable components, integrating Redux for state management, reducing 25%.
- Engineered real-time features with WebSocket APIs, enabling agile user updates and improving system responsiveness by 25%, reducing server load by 15% through optimized data handling and asynchronous messaging.
- Designed microservices architecture for scalable solutions using Docker and Kubernetes, optimizing resource utilization, container orchestration, and achieving 20% system scalability improvements, reducing deployment.

Full Stack Developer

April 2022 – August 2022

Agasti Technologies Pvt Ltd

Ontario

- Started CI/CD pipelines using AWS tools (CodePipeline, CodeBuild), Docker, GitHub Actions, reducing deployment errors by 30%, accelerating release cycles by 15%, while improving version control and rollback processes.
- Designed scalable solutions using AWS services like EC2, S3, and Lambda, achieving a 25% increase in system uptime and reliability, with auto-scaling and load balancing optimizations for better resource management.
- Implemented full-stack applications with the MERN stack and Spring Boot, improving user interaction and reducing latency by 20%, leveraging RESTful APIs and caching strategies for performance enhancement.
- Expanded real-time features using WebSocket APIs and asynchronous processing, enhancing user experience through seamless integrations and improved system performance by 15%, optimizing data synchronization.

PROJECTS

Devin AI(MERN Stack) [Link:https://github.com/heetraval26/Ai-developer/tree/master](https://github.com/heetraval26/Ai-developer/tree/master)

- Developed "Devin AI," a real-time chat application using the MERN stack, enhanced with Google Gemini AI to deliver intelligent, context-aware responses for engaging user interactions..
- Integrated Redis for efficient data caching and optimized performance, ensuring a smooth and responsive real-time communication experience..
- Implemented WebSocket-based architecture to enable seamless, low-latency messaging, showcasing expertise in AI integration, performance optimization, and scalable full-stack development.

Expense Tracking App (Android) <https://github.com/Sohmin10/Final-Project>

- Operated an Android app to track daily expenses and categorize spending, providing financial insights to over 500 users. Achieved a 35% increase in user engagement within the first month by implementing personalized push notifications.
- Analyzed SQLite/Room database for efficient local data storage, improving data accessibility and speed by 40%, with indexing, query optimization, data encryption, transaction management and data caching for performance..
- Focused on intuitive UI/UX design, ensuring seamless navigation and user satisfaction with minimal onboarding requirements, resulting in a 25% reduction in app abandonment rate, through A/B testing and usability analysis.

AI Application (Spring Boot - Java)

- Designed and developed a comprehensive AI-based application suite using Spring Boot, featuring two distinct projects: "Stock Photo Generator, QnA Bot, and Recipe Generator" for creative and functional solutions, and "Audio Transcriber" for accurate speech-to-text transcription.
- Leveraged advanced AI technologies and APIs to build highly interactive modules, including a recipe generator for culinary ideas, a stock photo generator for media assets, and a chatbot for automated question-answering
- Implemented robust backend architecture with scalable and efficient microservices, demonstrating expertise in Spring Boot, AI integration, and multi-functional application development.

EDUCATION

Postgraduate Diploma in Mobile Solutions Development

September 2023 – December 2024

Conestoga College, Ontario

Bachelor's in Computer Science

July 2019 – June 2023

Gujarat Technological University, India