Saransh Bogati

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EDUCATION

Florida State University   Tallahassee, FL
M.S. in Computer Science   *Aug. 2023 – May 2025*

EXPERIENCE

Technical Lead   Nov 2022 – Aug 2023
Octacore Solutions Pvt Ltd   *Kathmandu, Nepal*

- Led development of food ordering chatbot, optimizing APIs with SQLAlchemy and PostgreSQL, reducing response times by 40%.
- Designed scalable message queuing system using AWS SQS, increasing reliability by 25% during peak hours.
- Mentored and trained 4 junior developers, improving productivity by 30% through Agile and ORM optimization.
- Implemented CI/CD pipelines with GitHub Actions, automating deployments and reducing errors by 25%.
- Spearheaded post-MVP optimizations, reducing downtime and improving responsiveness.
- Collaborated with cross-functional teams to refine product roadmap and prioritize features.
- Developed detailed technical documentation and led code reviews to ensure best practices.

Software Consultant   Sep 2021 – Oct 2022
Bask Solutions LLC   *Virginia, USA*

- Developed backend services for Instaline app, integrating NLP features with Rasa, improving response times by 30%.
- Optimized Instaline Delivery Module with FastAPI, PostgreSQL, and Redis, boosting efficiency by 20%.
- Resolved system bugs and deployed features, ensuring high performance and stability.
- Researched and implemented NLP pipelines to improve chatbot responses and user engagement.
- Collaborated with the product team to define requirements and plan new features.
- Enhanced system reliability through the implementation of automated testing procedures.

Full Stack Developer   Oct 2019 – Sep 2021
Nepasoft Solutions Pvt Ltd   *Kathmandu, Nepal*

- Optimized backend components for Venio Systems' e-discovery product, enhancing search capabilities and performance.
- Developed a distributed engine for Dristi's indexing tasks, improving data retrieval performance and scalability.
- Integrated backend services for Pigeon Viber bot, including broadcasting functionalities using Node.js and MSSQL.
- Transformed components of Venio Web application from a C# desktop app to Angular/.NET platform.
- Worked on performance tuning, reducing response times and improving system efficiency.
- Coordinated with front-end teams to ensure smooth integration of backend services.

TECHNICAL SKILLS

Languages: Python, C#, JavaScript, TypeScript, SQL

Frameworks: FastAPI, Node.js, Express.js, .NET, SQLAlchemy

Tools: Git, Docker, AWS (EC2, SQS, S3, Lambda), GitHub Actions, Postman, Swagger

Databases: PostgreSQL, MySQL, MSSQL, Redis

Other: RESTful APIs, CI/CD Pipelines, Agile Methodologies, Microservices Architecture

PROJECTS

TicTacToe Telnet | *C++, Socket Programming*   Github

- Built a multiplayer TicTacToe game with real-time messaging and socket programming in C++.

Europaa: Inventory Management | *C#, .NET, SQL*   GitHub

- Developed an inventory management system using C#, .NET, and SQL.