ANURAG TRIPATHI

Senior Software Engineer

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Summary

Senior Software Engineer with proficiency in backend development and cloud architecture, expert in Java and Python. Key achievements include developing an e-commerce micro-service that boosted revenue by 25% and migrating Elasticsearch to reduce costs by 50%. Seeking a Software Development Engineer II position at Atlassian, where I bring my backend development and cloud infrastructure skills to support your mission of unleashing the potential of every team through innovative software solutions.

Experience

Careervira
Senior Software Engineer

Remote
10/2021 - Present

- Developed e-commerce micro-service using Java, Spring Boot, PostgreSQL, and AWS SQS, boosting revenue by 25%
- Migrated Elasticsearch from AWS to a self-managed server with enhanced security and monitoring tools, reducing cost by 50%
- Improved Search experience by optimizing Elasticsearch query and integrating ML User Personalization, which increased Search Relevance by 50% and reduced median response time by 25%
- Deployed ML Recommendation models on a Linux Server using Python, Fast API, Celery, and Supervisor, which improved model performance and relevance precision by 30%
- Developed in-house Identity Provider with SAML 2.0, reducing authentication complexity and login time by 75% through SSO integration for partner services
- Reduced Median Response Time of Legacy Web Services by 25% using optimized Redis caching and code refactoring
- Led extensive Code Reviews, Unit and Integration Testing to maintain code quality and ensure best practices, resulting in a 30% reduction in bugs
- Proficient in deploying, managing, and optimizing applications on IaaS solutions like Microsoft Azure and Amazon Web Services (AWS)

Nirmitee.io
Software Developer Intern

Remote
10/2020 - 12/2020

- Developed Front-end, Managed App States, and consumed JSON Restful APIs for an agri-tech marketplace app
- Built a comprehensive app for delivery personnel using the Flutter framework for an agri-tech marketplace
- Implemented agile development methodologies, ensured Clean Code practices, and applied Object-Oriented Design principles in a collaborative team setting

Projects

Virtual Scribe

01/2020 - Present

It is a fully voice-controlled device which helps visually impaired individuals in independent exam tasks like drawing figures, writing paragraphs, and doing calculations. Software Stack : Microsoft Azure Cognitive Services,Python,PyQt5,NLTK

- Achieved a 95% positive feedback rate in a pilot run, with visually impaired students finding the system accurate, responsive, and effective for independent exam writing without scribes
- Expecting a patent grant in 2024

Education

Guru Ghasidas Vishwavidyalaya

08/2017 - 07/2021

Bachelor of Technology, Computer Science Engineering

Skills

Java · Python · JavaScript · NodeJS · AWS · Azure · Cloud Infrastructure · SpringBoot · ElasticSearch · RDBMS · Postgres · DynamoDB · NoSQL · Micro-services · Git · Data Structures · Object-Oriented Programming

Publications

Intellectual Property India — bit.ly/anurag_patent

2024

LAND SCANNER SYSTEM EMBEDDED IN DRONE FOR LAND SURVEYING

Patent 507807 granted for the invention

Awards

1st Prize, Inclusive-STEM Hackathon 2021