

Shubham Singh

(+91) 910-675-0095 | shubham1.singh15@gmail.com | linkedin.com/in/shubhamsingh20 | shubham-singh.dev

Summary

Full Stack Developer with 4+ years of experience, skilled in building scalable and high-performance solutions. Proven expertise in lean startups, taking high ownership of end-to-end development. Specializes in Generative AI, CI/CD pipelines, and DevOps

Technical Skills

Languages: Ruby, Python, SQL/PostgreSQL, Javascript/Typescript, PHP

Frameworks: React, React-native, Ruby on Rails, Django, Laravel, Flask

Developer Tools: Docker, AWS, Kubernetes, GCP

Experience

Enumerate AI - Consumer Insights

July 2022 – Present

Software Development Engineer - AI Feature

2 Yrs, Remote

Python, AWS, Postgres, Typescript, React-native, Next Js

- Developed several GenAI features, including thematic analysis, Q&A playground, and content analysis, by utilizing Large Language Models like GPT and Mistral, combined with heuristic methods such as clustering and fine-tuning
- Created data processing pipelines for media content, including image upscaling, transcription, and speech diarization, with data sanitation measures like voice and facial activity detection.
- As a full-stack developer, I successfully transitioned a web application to function on native platforms using React Native. This enhancement included the integration of offline capabilities, ensuring seamless operation even in regions with limited or no internet connectivity.
- Transitioned the existing monolithic architecture to a scalable serverless architecture utilizing AWS ECS Fargate and Lambda functions.

NEETPrep EdTech

April 2021 - July 2022

Software Engineer - Fullstack

1 Yr, Remote

Ruby on Rails, Express, Postgres, GraphQL

- Developed an User Streak feature to track user engagement metrics, resulting in a 20% increase in questions solved per month (from 3.5 million to 4.2 million) and a 23% growth in engagement metrics over four months
- Improved user experience by eliminating redundant questions using historical analytics data and statistical tools like Chi-square and K-means clustering.
- Enhanced content delivery by implementing an NLP pipeline for relevant content transcription based on question context, utilizing PostgreSQL full text search capabilities with custom stop words and text search dictionary.
- Maintained and developed core product features, including Dynamic Test Generation, Question Bank, and Live Lectures

Slick Technologies

Jul. 2020 – Dec. 2020

Software Development Engineer Intern

6 Months, Remote

Laravel, React

- As a Fullstack Developer, contributed in building a comprehensive ERP solution from scratch using React & Laravel
- Designed and developed background services to handle Time & CPU intensive tasks

Projects

CodeChef Hackathon - Recommendation Engine | *Django, Celery, scikit-learn, Redis*

- Developed a recommendation engine for a web application using the CodeChef REST API, personalizing problem suggestions with a K-means clustering algorithm for tag-based refinement
- Improved performance through an asynchronous task queue, ensuring timely and accurate question recommendations

Fake News Verification System | *python-asyncio, scikit-learn, python-nltk, Keras*

- Developed an NLP model to classify the authenticity of news articles, trained on 42k data points, and integrated into a web application for asynchronous scraping of relevant news using the News API.
- Achieved 78% accuracy on unseen and untrained data, demonstrating the model's real-world applicability

DGTOnline - EdTech | *Django, Vue Js, MySQL, Nginx, Redis, Firebase*

- Developed a platform for test conduction and student record management for national competitive exams, collaborating with a local coaching institute.
- Enhanced functionality with custom services like video transcoding and SEO campaigns, serving as the sole developer responsible for development, testing, deployment, and understanding business demands, thereby improving both technical and business acumen.

Education

Gujarat Technological university

Bachelor of Engineering in Computer Engineering - *9.56 CGPA*

Ahmedabad, IN

Aug. 2017 – Jul. 2021

Kendriya Vidyalaya

HSC - *79%*

Gandhinagar, IN

Mar. 2017