

Utkarsh Singh

Senior Software Engineer

As a senior software engineer with expertise in Django, React, and Kubernetes, I have a passion for developing high-quality software solutions that exceed user expectations. With extensive experience in designing and implementing complex systems, I bring a deep understanding of software architecture and development best practices to every project.

✉ utkarshsinghcs@gmail.com

☎ +91 8127530061

📍 Bangalore, INDIA

🌐 [linkedin.com/in/utkarsh-singh-22b790126](https://www.linkedin.com/in/utkarsh-singh-22b790126)

TECHNICAL SKILLS

Backend	Django, Python, Celery, RabbitMQ
Frontend	React, Javascript, Typescript, Tailwind
DevOps	Kubernetes, KEDA, Amazon EKS, Amazon MQ, Amazon S3, Amazon ECR

WORK EXPERIENCE

Senior Software Engineer

Highlyte AI

01/2022 - Present

San Francisco, California

This is a Regulation and Compliance tech company providing solutions.

Achievements/Tasks

- Designed and implemented a scalable queue system using RabbitMQ and migrated it to a microservice architecture to optimize performance. This involved breaking down the monolithic application into smaller services to improve scalability and resilience.
- Optimized system concurrency by introducing and managing multiple threads, resulting in accelerated request processing and improved response times.
- Executed migration of architecture to Kubernetes, a robust container orchestration platform, streamlining application deployment and administration. Implemented KEDA and AWS auto scaler to achieve dynamic pod scaling in response to queued requests.
- To handle long-running tasks in the front end, utilized React saga and generator functions, which helped in running background tasks in a non-blocking manner.
- Integrated Zoho to facilitate seamless account creation and sales mapping, entailing the setup of webhooks for automated account initiation and enhanced sales process efficiency.
- Integrated the Instagram API to retrieve media for ML scanning, empowering the application to autonomously obtain and analyze images and videos for adherence to regulatory standards.
- Employed smart proxy technology and constructed a web scraper for data aggregation, encompassing the development of Python scripts to automate website data retrieval and subsequent processing of the gathered information for analytical purposes.

Software Engineer

Mobiux

08/2020 - 12/2021

Bengaluru, India

I am working as a Full-stack software engineer on Django and React. The client for which I am working on is SKoolofcode. This is a U.S.A based startup.

Achievements/Tasks

- Served as the Founding Engineer for a U.S.A-based startup with a student enrollment exceeding 5000, where I orchestrated the creation of their product from the ground up and led a team of four members.
- Executed the integration of the Zoom app into the platform, facilitating automated class scheduling for teachers and students.
- Integrated the Stripe payment gateway to enable user payments, and architected the subscription and billing framework.
- Integrated the Microsoft' Monaco code editor and used websockets to make it collaborative and realtime.
- The front-end designing was done using React.js and used Next.js for routing purposes and worked on the SEO optimization.
- Automation testing using Cypress which was end-to-end. The test report was used to be automatically deployed on AWS S3 bucket static hosting.

Software Engineer

AUI Systems Private Limited

09/2019 - 07/2020

Bengaluru, India

AUI Systems delivers massive business value across industries and functions via the power of Natural Language Understanding or NLU.

Projects

- Played a key role as a founding member of the team, embarking on the journey of product development from the ground up.
- Developed their chat interface using web sockets in which multiple user could interact simultaneously.
- Developed their UI which was built on React and we used Next.js for SSR.
- Contributed on optimizing their word sense disambiguation algorithm which resulted in increase in their performance.

Contact : <https://auiys.com/>