

FAHAD KHAN

Software Engineer

📧 kfahad5607@gmail.com

🔗 fahad-khan.vercel.app

🐙 github.com/kfahad5607

EXPERIENCE

Software Engineer

DNIF HYPERCLOUD

📅 01/2024 - present 📍 Mumbai, India

- **Building next-gen SIEM**
 - **Developed a parser** to validate and convert a custom query language into Spark SQL using Python, improving query execution efficiency and accuracy.
 - **Created a log forwarding service** with RabbitMQ, enabling high-throughput log transmission to external sources.
 - **Created a webhook endpoint** supporting multiple authentication methods, including bearer, basic, and HMAC, to ensure secure and scalable log ingestion.
 - **Created dynamic and interactive data visualization components** using React and TypeScript, including charts and graphs, to improve the comprehensibility of security analytics.
 - **Utilized React Query** to optimize data fetching and caching for seamless integration with real-time data sources.

Full-Stack Developer

Zilliobit Interactive Private limited

📅 07/2021 - 12/2023 📍 Mumbai, India

- **Created and deployed SaaS Product with Secure Transaction System**
 - Developed a robust and scalable SaaS authoring tool, <https://zeltoauthoring.com> with Django and Vue.Js.
 - Developed the complete payment system by **integrating stripe and paypal**.
 - Developed the backend APIs, responsive frontend components and **integrated the two**.
- **SSO Integration and System Interoperability**
 - Successfully integrated Zeltoauthoring with ZeltoLMS, employing **Single Sign-On (SSO)** for seamless user experience, enhancing system interoperability and user convenience with protocols like **oAuth2.0 and SAML**.
- **Optimizing Resource Management and Cost Reduction**
 - Engineered a resource optimization strategy allowing reuse of assets (images, videos, audios) across various user-created courses, resulting in over a **20% reduction in data storage and operational costs**.
 - Implemented a **caching mechanism utilizing Redis**, leading to a 30% decrease in database load and a 20% increase in system responsiveness
- **AWS service integration and containerization**
 - Solely designed and implemented the complete cloud architecture for ZeltoAuthoring on AWS with autocaling and load balancing, using various services such as **EC2, S3, cloudfront, lambda, RDS, SQS**, etc. Resulting in a 40% improvement in scalability and a 15% reduction in infrastructure maintenance costs.
 - Also devised the deployment architecture using **Docker and Docker compose** for easy and quick deployment. Resulting in 45% faster deployments.
 - Devised a solution using AWS Lambda to **generate thumbnails** for user-uploaded images, resulting in a **40% reduction** in bandwidth consumption and a **20% enhancement** in user experience.
- **Task Automation and System Maintenance**
 - Orchestrated automated tasks (deleting unused files, trashed courses, expired sessions, sending notification emails) **using Celery**, reducing manual intervention by 80% and ensuring a **25% increase in request response**.
 - Developed the CI/CD pipeline using Github actions, resulting in **5X deployment speed** and streamlining the deployment process.
- **Task Queuing and Optimization**
 - Designed a task queuing system using AWS SQS for generating exported zip files of course assets, **avoiding failure of Zip generation** for a large number of files.

Web development intern

Zilliobit Interactive Private limited

📅 12/2019 - 12/2019 📍 Mumbai, India

- Developed a product management system for a tailor shop.
- Redesigned and simplified a rather complex user interface, while preserving all functionality.
- Collaborated with 2 fellow interns.
- Enhanced the functionalities of the system for smooth user experience.

PROJECTS

PlacePrep

📅 11/2020 - 02/2021 📍 Mumbai, India

🔗 <https://www.youtube.com/watch?v=eYJR09lgCms>

Placeprep is a placement preparation platform for students to prepare for their placement drives built using MERN STACK. Placeprep allows students to practice their aptitude skills by taking various quizzes and their coding skills on the inbuilt online editor and compiler.

Cricket Scorer

📅 04/2020 - 05/2020 📍 Mumbai, India

🔗 <https://quirky-panini-a0df5c.netlify.app/>

Created cricket run scorer app using reactJs which can be used to keep track of your match

Contact Keeper

📅 03/2020 - 04/2020 📍 Mumbai, India

🔗 <https://contact-keeper-tzui.onrender.com/>

Contact manager app using MERN stack & Redux.

EDUCATION

Bachelor of Computer Engineering

Rizvi College of Engineering

📅 09/2017 - 08/2021 📍 Mumbai, India

CGPA

8.6 / 10.0

H.S.C.

SIES College of Arts and Science

📅 08/2015 - 08/2017 📍 Mumbai, India

%

72.4 / 100

S.S.C.

Little Flower English School

📅 07/2003 - 07/2015 📍 Mumbai, India

%

88.0 / 100

SUMMARY

Software Engineer focused on building performant, scalable products and solving complex problems through complete ownership of **frontend, backend, and infrastructure**. I thrive on delivering secure systems and continuously learning new technologies. Looking for opportunities where I can take full responsibility for product development, from concept to **deployment**.

SKILLS

Frontend

Next.Js React.Js Vue.Js TypeScript

Javascript Tailwind CSS

Backend

Node.js Python Django Flask

Database & Message Brokers

PostgreSQL MySQL MongoDB Redis

RabbitMQ

Cloud & Devops

AWS EC2 AWS RDS AWS Lambda Function

AWS API Gateway AWS S3 Docker

Kubernetes Github Actions

PERSONAL INFO

📞 +91-9987305790

📧 kfahad5607@gmail.com

🔗 fahad-khan.vercel.app

🐙 github.com/kfahad5607

🌐 linkedin.com/in/fahad-khan-6050b0152

📍 Mumbai, India

LANGUAGES

English

Advanced



Hindi

Advanced

