

FAHAD KHAN

Software Engineer

EXPERIENCE

Software Engineer

DNIF HYPERCLOUD

01/2024 - presentMumbai, India

- Building next-gen SIEM
  - Created dynamic and interactive UIs for SIEM products, including complex data visualizations, charts, and graphs with React and TypeScript.
  - Used React Query for efficient data fetching and caching.
  - Created a parser to validate and convert a custom query language to Spark SQL.

Full-Stack Developer

Zilliobit Interactive Private limited

07/2021 - 12/2023Mumbai, 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 - 12/2019Mumbai, 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 - 02/2021Mumbai, India

<https://www.youtube.com/watch?v=eYJR09IgCms>

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 - 05/2020Mumbai, 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 - 04/2020Mumbai, India

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

Contact manager app using MERN stack & Redux.

Natours

08/2020 - 09/2020Mumbai, India

<https://natours-qgdg.onrender.com/>

Created a tourist destination booking platform using HTML, CSS, javascript and Node.js. Integrated stripe payment gateway for selling the tours.

EDUCATION

Bachelor of Computer Engineering

Rizvi College of Engineering

09/2017 - 08/2021Mumbai, India

CGPA

8.6 / 10.0

H.S.C.

SIES College of Arts and Science

08/2015 - 08/2017Mumbai, India

%

72.4 / 100

S.S.C.

Little Flower English School

07/2003 - 07/2015Mumbai, India

%

88.0 / 100

SUMMARY

I am a full-stack developer with experience in both front-end and back-end development, I have gained a solid understanding of the entire web development process. Additionally, my experience with devops has allowed me to build and deploy robust applications that meet user needs. I'm passionate about solving problems and continuously learning to improve my skills.

SKILLS

Frontend

Next.Js	React.Js	TypeScript	Javascript
GraphQL	React Query	Vue.Js	
Tailwind CSS			

Backend & Database

Node.js	Django	Flask	MySQL	Postgres
MongoDB				

Cloud & Devops

AWS EC2	AWS RDS	AWS Lambda Function
AWS API Gateway	AWS S3	Docker
Github Actions		

PERSONAL INFO

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- Mumbai, India

LANGUAGES

English	Advanced	●●●●●●
Hindi	Advanced	●●●●●●