



# Yaksh Patel

✉ Yakshpoo8@gmail.com    linkedin.com/in/yakshpatel8    https://yakshp.github.io/Portfolio/

## PROFESSIONAL EXPERIENCE

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### Software Engineer

01/2024 – present

*Fuel AI*

- Developed scalable backend infrastructure and RESTful APIs for AI training data.
- Designed and optimized data pipelines using Firebase and GCP.
- Built automation systems for task management and backend workflows.
- Integrated CI/CD pipelines for seamless deployment and testing.
- Collaborated with cross-functional teams to align backend functionality with user needs.

### Full Stack Software Engineer intern

10/2023 – 01/2024

*Nutriverse AI*

- Developed full-stack web applications for an AI-driven nutrition platform, enhancing scalability.
- Created a responsive dashboard with data visualization, boosting user engagement by 20%.
- Integrated real-time APIs for personalized meal recommendations, improving user satisfaction.
- Optimized database queries, reducing response times by 30%.
- Applied OOP principles to build modular, reusable code, accelerating development timelines.

### Backend Software Engineer intern

12/2021 – 06/2022

*Interlude*

- Built backend services for a music education app using Dart/Flutter, Firebase, and Docker.
- Designed scalable APIs for authentication and data management, ensuring seamless integration with frontend systems.
- Improved API performance by 30% through optimization techniques and debugging tools like Postman.
- Utilized Docker for containerization and Firebase for real-time data handling in a distributed system.

## PROJECTS

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### Estate

03/2024 – 07/2024

**Technologies Used:** ReactJS, ExpressJS, MongoDB, Tailwind CSS, Socket.io, Axios, Bcrypt, Prisma, JWT, Cookies, Context API, React Router

- Developed secure backend services using Node.js, MongoDB (with Prisma ORM), and JWT for authentication.
- Built scalable microservices to handle user identity management and real-time communication via Socket.io .
- Designed APIs to support a responsive frontend built with ReactJS and Tailwind CSS.

### TravelX

08/2022 – 12/2022

**Technologies Used:** ReactJS, Django, AWS, Firebase, Vendia, APIs and RESTful services

- Built server-side logic using Django to handle backend operations with Firebase as the database.

- Deployed the application on AWS for scalability and reliability in production environments.
- Followed Agile methodology to deliver features on time while adhering to best practices.

## TECHNICAL SKILLS

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### Language:

TypeScript, JavaScript (NodeJS), Python, C++, Java

### Backend

NodeJS/ExpressJS, Django, Flask, RESTful APIs

### DBMS:

PostgreSQL, MongoDB, Firebase

### Other Tools

Terraform, Kubernetes, CI/CD pipelines(Github actions)

### Frontend

ReactJS, EJS, Bootstrap

### Testing

Jest, Mocha, Cypress

### Cloud & Deployment:

AWS (S3, EC2), Firebase, Docker

## EDUCATION

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### Bachelor's Computer Science

California State University, Sacramento

01/2020 – 12/2024

Sacramento

**Data Structures and Algorithm Analysis | Computer Software Engineering | Object-Oriented Computer Graphics Programming | Database Management Systems | Software Engineering Project Management**