

# AKHIL PAREKH

## Software Engineer

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## Summary

Driven by a passion for developing robust backend solutions, a strong foundation in software engineering, and experience in optimizing architecture for scalability, a unique opportunity to contribute to transformative projects is eagerly sought. Skills in product management and seamless integration of AI technologies align well with the objective of enhancing user experience and operational efficiency. A commitment to delivering high-quality solutions and a proactive approach to problem-solving is reflected throughout the professional journey.

## Skills

Python • JavaScript • Product Management • AWS • Docker • Django • DRF • FastAPI • NodeJS • ReactJS • PostgreSQL • MongoDB • HTML • CSS • Git • VSCode • Redis • Heroku • Machine Learning • Microservice architecture • Computer Vision • Augmented Reality

## Experience

**Lingpad** Ahmedabad, India  
**Backend Python Developer** 03/2023 - Present

Managed complex 3rd party integrations with the product and enhance the architecture for scalability and robustness.

- Reduced system complexity by 60% through strategic microservice redesign.
- Decreased operational costs by 45% via optimized software dependencies.
- Implemented flexible LLM integrations, enabling seamless provider switching for customers
- Breakdown architecture to several different microservice architecture to ensure easy handling of the project and maintain high availability.
- Designed AI assist module which help CX agents to respond quickly and more efficiently to their customers.

**Songdew** Gurgaon, India  
**Software Engineer** 08/2021 - 03/2023

Directed project planning as well as designed and developed important modules of the product.

- Managed a range of product modules which enhance the customer visibility on product by 40% using bespoke EPK module.
- Curated instagram stories for the promotions of songs using tools like moviepy, openCV and ffmpeg.
- Streamlined internal product architecture, reducing development cycle by 20%

**Melzo** Surat, India  
**Frontend Engineer** 09/2020 - 03/2021

Assisted in Augmented Reality projects and lead the product.

- Assisted in company's internal management by designing internal tool which improves the operation of company by 15%.
- Designed and developed the augmented reality based try on solutions for the jewelers.
- Build services that validate users interacting with the products coupled with the organization.

## Projects

### Jewelry TryOn

- Designed and developed the full-fledged web app for the virtual trial of the ornaments utilized with the help of the device's camera.
- Developed on top of the javascript framework(React) with the help of machine learning and computer vision libraries and pipelines.

### Interactive Projector

- Get self-trained in the computer vision library and various Kinect modules for I/O.
- It takes the video stream with human hands as input and processes it to mimic the dedicated input signals and is ready to take the place of hefty and pricy audio-visual systems used in offices and schools.

## Education

**L.J. Institute of Engineering & Technology** Ahmedabad, India  
**Bachelor's Degree in Information and Communication Technology** 08/2016 - 07/2020

**Shree Swaminarayan Gurukul International School** Surat, India  
**SSC & HSC** 07/2014 - 05/2016