

Vedant Helwatkar

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Full stack engineer with 2.5 years' experience building fintech systems on **React, Django, Flask, Node.js, and AWS**. Migrated core transaction workflow to async Lambda + SQS - 2 min to 8 sec. Focus on async and serverless architecture.

PROFESSIONAL EXPERIENCE

Software Engineer (Fintech) | Anand Rathi Wealth Limited Mumbai, India | Feb 2025 – Apr 2026

- Architected & migrated a core **financial transaction order** processing workflow to async **AWS Lambda + SQS**, reducing execution time from *2 minutes to 8 seconds* and eliminating bottlenecks during peak load.
- Replaced Docker-based microservices with serverless Python **Lambda** functions for high-volume financial transaction processing, improving scalability and cutting backend latency by 60%.
- Enhanced and stabilized the **database layer with RDS Proxy**, lowering active connections by 80% and improving query reliability by minimizing failures and timeouts.
- Built data-rich **fintech** dashboards in **React** and Ant Design, backed by **Django** and **Flask** REST APIs, reducing user task completion time by 40%.
- Boosted page **load speed by 50%** through efficient CSS structure, memoization, and refined rendering.

Software Engineer | Unifynd Technologies Mumbai, India | Jan 2024 – Feb 2025

- Implemented full stack features for loyalty products and internal dashboards using **React, Django, and Express** in a collaborative product environment.
- Created and maintained **50+** reusable React components and **responsive UI** modules used in multiple dashboards.
- Built and maintained REST APIs in **Django** and **Express** to support and enhance frontend features.
- Converted 20+ Figma designs into responsive, accessible interfaces using **Tailwind CSS, MUI**, and modern systems.
- Reduced API integration bugs by **30%** through improved workflows and stronger frontend backend coordination.

PROJECTS

- Oneavo** (React): Architected a modular, **SEO-friendly** agency website using React; improved load times by 40% and boosted **lead capture**.
- Learnshack Edu** (MERN + MySQL): Engineered a **study-abroad platform** with CMS and inquiry tools using React, Node.js, Express, and MySQL, onboarding 1K+ users and automating workflows.
- Designs By Abhishek** (React): Developed a fast, responsive React site for a **luxury wedding & event design** studio.
- Arigato Events** (React): Created a mobile-first **wedding** site using React, increasing customer leads by **3x**.

TECHNICAL PROFICIENCIES

- Languages:** JavaScript, Python, TypeScript.
- Concepts:** Async architecture, microservices, serverless, system design, REST APIs, RBAC, JWT, SQL optimization.
- Frontend:** React.js, Next.js, Zustand, Redux, Tailwind, MUI, Ant Design.
- Backend:** Node.js, Express, Django (DRF, Django ORM), Flask, FastAPI, Langchain.
- Database & DevOps:** MySQL, MongoDB, AWS (S3, Lambda, EC2, SNS, SQS, RDS), Git, Webpack, Pinecone.

EDUCATION

Terna College of Engineering
B.E. in Electronics and Computer Science

Mumbai, India | Sept 2020 – June 2024
CGPA: **8.6/10**