

# VIJAY KHOT

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## SUMMARY

Computer Science grad with 6 years of project engineering experience and proficiency in backend-focused, full-stack development. Proven ability to build, test, and deploy production-ready applications using Node.js, Python, and AWS. Demonstrated elite problem-solving skills, solving 600+ LeetCode problems (top 0.5% of global users). Seeking to apply 6 years of project engineering experience to building reliable, scalable banking platforms and financial products.

## SKILLS

- **Languages & Databases:** Python, JavaScript, TypeScript, Java, SQL, MongoDB, PostgreSQL
- **Frameworks Libraries:** Node.js, Express, React, Next.js, GraphQL (Apollo), Stripe API, NumPy, Pandas
- **Developer Tools & Infra:** AWS (EC2, S3, SES), Docker, Git, CI/CD (GitHub Actions), Redis, Vercel, Render, Jest, Postman
- **Concepts:** Object-Oriented Design (OOD), REST APIs, MVC Architecture, System Design, Unit & Integration Testing

## PROJECTS

### NexTune – Music Metadata & Discovery Platform

Sep 2024 – Jan 2025

*Tech: Next.js, TypeScript, GraphQL, Redis, MongoDB, Docker, AWS EC2, Nginx*

- Engineered a full-stack application with a modular GraphQL backend, optimizing database queries and implementing Redis caching to support real-time search and filtering.
- Built a server-side rendering (SSR) architecture with Apollo Client cache hydration, reducing Largest Contentful Paint (LCP) by 40% (2.5s → 1.5s) while enhancing SEO.
- Containerized the application using Docker and deployed on AWS EC2 with an Nginx reverse proxy.
- **Links:** [GitHub](#) · [Live Demo](#)

### Outreachly – Full-Stack Email Campaign Platform

July 2025 – Present

*Tech: Next.js, TypeScript, PostgreSQL, Prisma, AWS SES*

- Built a full-stack email marketing platform featuring bulk CSV imports and integrated **AWS SES** for production-grade email delivery, using database transactions to ensure data consistency.
- **Links:** [GitHub](#) · [Live Demo](#)

### eVoltzo – EV Station Booking Platform

Jan 2024 – May 2024

*Tech: Stripe API, React, Node.js, Express, MongoDB, Docker*

- Led backend architecture in a 5-person team, engineering a full **Stripe Checkout** integration with webhooks and designing a conflict-aware booking engine with role-based access control (RBAC).
- **Links:** [GitHub](#) · [Video Demo](#)

## EXPERIENCE

### Software Developer (Volunteer)

August 2025 – Present

*JerseySTEM – Jersey City, NJ*

- Architected and implemented a data integration pipeline to sync donation data from GiveWP (WordPress) to Salesforce using Zapier, successfully diagnosing and engineering a robust workaround for a corrupted core plugin to unblock the project.

### Project Engineer

May 2017 – Jun 2023

*Ichalkaranji Municipal Corporation – Ichalkaranji, India*

- Appointed District Nodal Officer, managing the full project lifecycle for 6 housing initiatives (604 families) and leading execution across 13 district-level teams.
- Owned the financial data workflow, from handling the government's payment gateway to developing advanced reporting systems in Excel to analyze beneficiary data.

## EDUCATION

### Stevens Institute of Technology

Sept 2023 – May 2025

*Hoboken, NJ*

*Master of Science in Computer Science – GPA: 3.97/4.00*

- **Honors:** Provost's Merit Scholarship (\$14,000)
- **Relevant Coursework:** Project Management Fundamentals, Algorithms, Database Mgmt. Systems, Web Programming