

VIJAY KHOT

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SUMMARY

Computer Science graduate (M.S., 3.97 GPA) with 6 years of professional experience and deep expertise in backend development using Node.js, TypeScript, and Python. Proven elite problem-solver (600+ LeetCode, top 0.5%) with a track record of building and deploying production-ready, full-stack applications. Passionate about scalable system architecture, I am currently expanding my skills by building microservices with Java and Spring Boot and am seeking a backend role where I can contribute to large-scale, distributed systems.

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

July 2024 – Present

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

Sept 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](#)

eVoltzo – EV Station Booking Platform

Apr 2025 – May 2025

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

- Led backend architecture in a 5-person team, designing a conflict-aware booking engine with RBAC and engineering a full **Stripe** payment system, including checkout, **saved payment methods**, webhooks, and user **payment dashboards**.
- **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:** Algorithms, Database Mgmt. Systems, Web Programming, Project Management Fundamentals