

NIRVIKA RAJENDRA

Vienna, VA | nirvikarajendra16@gmail.com | [linkedin.com/in/nirvikarajendra](https://www.linkedin.com/in/nirvikarajendra) | github.com/nirvikarajendra

Software Engineer with 2.5+ years of experience building scalable backend systems, REST APIs, and data workflows for financial and data-intensive platforms. Proficient in Python, .NET Core, and Node.js with hands-on experience in microservices architecture, cloud deployments on AWS, and CI/CD automation. Passionate about building practical, well-engineered products, from core banking systems handling high-volume transactions to full-stack personal tools for job tracking and financial management.

SKILLS

Languages & Frameworks: C#, .NET Core, Python, JavaScript, Node.js, Express, FastAPI, REST APIs, GraphQL

Backend & System Design: Microservices architecture, distributed systems, high-throughput backend workflows

Cloud & DevOps: AWS, Azure, Docker, CI/CD pipelines, GitHub Actions

Databases: SQL Server, PostgreSQL, MongoDB, Redis, Pinecone, FAISS

Engineering Practices: Unit & integration testing, structured logging, observability, error handling, performance optimization

WORK EXPERIENCE

University of Maryland Baltimore County | *Digital Repository Intern* | Remote | Jun 2024 – Present

- Designed Python-based automation pipelines processing 34,000+ scholarly records, reducing manual effort by 70% and ensuring high data reliability.
- Developed resilient, scalable services deployed on AWS with Docker and CI/CD pipelines, improving throughput by 40%.
- Applied AI-assisted development workflows for data cleaning, error handling, and process optimization.

LTM (Larsen & Turbo Infotech) | *Software Engineer* | Bangalore, India | Aug 2021 – Nov 2023

- Developed high-performance .NET backend services for a real-time financial analytics and core banking platform, supporting high-volume transactions, payment workflows, and financial ledger operations.
- Integrated Episode Six APIs for card issuance, transaction authorization, settlement, and reconciliation while implementing billing cycle calculations and interest accrual logic.
- Designed secure microservices and scalable REST APIs with optimized SQL Server queries, improving execution time by 45% and reducing security risks by 70%.
- Ensured transaction integrity, compliance validation, and reconciliation accuracy, analyzing operational and financial data to support reporting and performance monitoring.
- Built and deployed CI/CD pipelines enabling zero-downtime releases, and implemented structured logging, unit testing, and integration testing to enhance system reliability and maintainability.

PROJECTS

Job Application Tracker (*Node.js, Express.js, MongoDB, GitHub OAuth, EJS, Render*) [Live Demo](#)

- Built a full-stack job application tracking platform with GitHub OAuth authentication using Node.js and express-session, enabling secure multi-user access without password management.
- Designed a MongoDB/Mongoose data model to manage job applications with status tracking, supporting real-time filtering by status and search by company or role.
- Implemented a live stats dashboard with color-coded status badges providing at-a-glance visibility into application pipeline counts across all stages.
- Deployed the application on Render with environment-based configuration for production-ready secrets management and continuous delivery.

Personal Finance Tracker (*FastAPI, PostgreSQL, Docker, GitHub Actions*) [Live Demo](#)

- Built a secure backend platform for personal financial tracking using FastAPI with JWT authentication, PostgreSQL, and a relational schema managing users, income, expenses, and transaction history.
- Containerized the service with Docker and implemented CI/CD pipelines with GitHub Actions for automated testing and deployment.
- Developed interactive dashboards providing real-time insights into spending behavior and financial trends.

EDUCATION

University of Maryland, Baltimore County — Maryland, USA

Master of Professional Studies in Data Science | GPA: 3.9/4.0 | Jan 2024 – Dec 2025

Visvesvaraya Technological University — Karnataka, India

Bachelor of Engineering in Computer Science | CGPA: 8.72/10 | Aug 2017 – Jul 2021