Nitheshwaran T

 Nithesh | nitheshwaran | nitheshwaran003@gmail.com | nithi.xyz | +919976203099

OBJECTIVE

Software Developer with **2.8 years of experience** in Python, Node.js, and Java, specializing in scalable, high-performance systems. Skilled in **PostgreSQL, MongoDB**, and writing efficient, maintainable code. Passionate about contributing to innovative, impactful projects.

PROFESSIONAL SUMMARY

- **Experience**: 2.8 years as a **Backend Developer** with hands-on expertise in **Node.js, Python, PostgreSQL, MongoDB**. Specialized in building high-performance, scalable **RESTful APIs** with millisecond-level response times and 99.99% uptime. Strong focus on clean, maintainable code and robust error handling across SQL and NoSQL systems.

- **Bharat Bill Payment**: Contributed to secure and scalable BBPS integration. Ensured traceable, audit-compliant code with detailed logging and external reviews. Familiar with certification workflows for production approval and security compliance.

- **Payment Gateway**: Integrated Tyche Payment Gateway supporting real-time checkout, split payments, and payment links. Handled full transaction lifecycle and merchant onboarding, including KYC and regulatory document validation (GST, Aadhaar).

WORK EXPERIENCE

Wowelse Branding Studio — Software Developer   Coimbatore — July 2024 – Present

Built and optimized a **banking application** in **Python**, integrating with **BBPS** and **Tyche Payment**. Developed scalable solutions across **3 clustered servers**, ensuring high availability and efficient server-side communication. Involved in **system architecture, integration**, and performance tuning.
click here.

Quantanics Techserv Pvt Ltd — Full-Stack Developer   Madurai — March 2023 – April 2024

Created a real-time monitoring system using socket-based communication for instant data updates. Subscribed to machine-generated streams and stored continuous updates. Focused on **event-driven architecture** and backend optimization.
click here.

Technical Staff Member   Mar 2023 - Mar 2024

Led **full-stack development** guidance at multiple engineering colleges. Conducted **Java** and **Python** training and facilitated problem-solving workshops.
click here.

SKILLS

Programming Languages:	**Python**, **JavaScript**, **Java**
Libraries/Frameworks:	**Flask**, **Express**
Databases:	**MySQL**, **PostgreSQL**, **MongoDB**
Tools / Platforms:	**Git**, **GitHub**
Other:	RESTful APIs, System Architecture, Scalability, **Performance Optimization**, System Integration

Projects

EzbillPay Reference ⌂

Collaborated with **Bharat Bill Payment System (BBPS)** and **Tyche Payment** technical teams to integrate secure payment solutions into a custom banking application.
Technologies Used: Python, AWS Cognito Auth, S3

Performance Improvements: Reduced API response time significantly by optimizing database queries and implementing multi-threading techniques for asynchronous processing. Applied SOLID principles to improve code maintainability, scalability, and consistently maintaining a 99.99 percent successful response rate.

Terion - Billing Software

Designed a project integrating **automatic email alerts** with live **Razor Pay QR codes**, personalized profiles, and **invoice previews**, ensuring smooth sales operations.
Technologies Used: ReactJS, Expressjs, Postgress, Razorpay API

Performance Highlights: Applied modular design and SOLID principles to improve maintainability; Implemented asynchronous email handling to reduce billing delays.

TempoIot - Real Time Monitoring Link ⌂

Built real-time graphical data applications for hardware machines using ReactJS, NodeJS, MongoDB, and PostgreSQL (via PG Admin). Designed interactive dashboards to visualize machine data streams with efficient front-to-backend integration.
Technologies Used: ReactJS, Node.js, MongoDB, Chart.js, WebSockets

Certifications

Skills and Job Recommender	**IBM**
JAVA	**Sololearn**
SQL	**Hackerrank**
TCSiON NQT	**TCS**

Education

2019 - 2023	BE/**Computer Science** at **Anna University Regional Campus**	(GPA: 8/10)
2017 - 2019	HSC at **Sri Vidya Mandir matric Hr. Sec. School**	(Percent: 79)
2016 - 2017	SSLC at **St.Lucy's Matric Hr. Sec. School**	(Percent: 94)

Interest

- **AWS**: EC2, Amplify, cloud infra
- **DevOps**: Jenkins, Docker, automation