

# Nithin Joshua S

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## Professional Summary

Software Development Engineer with 1+ year of experience designing and developing scalable backend systems and full-stack web applications using **TypeScript, Node.js, Fastify, Next.js, React.js, MongoDB, and Redis**. Experienced in building RESTful APIs, implementing secure JWT-based authentication, developing asynchronous background job processing with **BullMQ**, integrating **Stripe** payment workflows and AI-powered solutions using **OpenAI** and **Hugging Face APIs**. Passionate about building reliable, scalable, and maintainable software systems.

## Skills

**Languages:** JavaScript, TypeScript, HTML, CSS

**Frameworks:** React.js, Next.js, Node.js, Express.js, Fastify

**Databases:** MongoDB, Redis, Supabase

**Tools:** BullMQ, Docker, Git, AWS S3, Stripe, OpenAI API, Hugging Face API

## Work Experience

**Neokred Technologies Private Limited, Bangalore**

July 2025 - Present

### Associate Software Development Engineer

- Designed and developed scalable backend services using **TypeScript, Fastify, MongoDB, Redis, and Docker**, delivering reliable RESTful APIs for enterprise applications.
- Implemented distributed background job processing using **BullMQ** and **Redis**, enabling asynchronous task execution, fault tolerance, and improved application responsiveness.
- Integrated **OpenAI APIs** to automate structured analytics schema generation, reducing manual effort and improving workflow flexibility across analytics services.
- Developed reusable shared packages within a monorepo architecture, improving code maintainability and reducing duplication across multiple services.
- Collaborated with cross-functional teams using **GitHub, Bitbucket, and Postman**, while integrating cloud storage solutions using **Amazon S3** and deploying containerized applications with **Docker**.

## Education

**Kongu Polytechnic College, Tamil Nadu**

Oct 2021 - Apr 2024

Diploma in Computer Science and Engineering

**CGPA: 9.0/10**

## Projects

**Payflow | Full-Stack SaaS Subscription Management Platform**

2026

*Tech Stack: TypeScript, Node.js, Fastify, Next.js, MongoDB, BullMQ, Upstash Redis, Stripe, Supabase, Docker*

- Developed a full-stack SaaS platform enabling merchants to create subscription plans, manage customers, and automate recurring payment workflows.
- Designed secure RESTful APIs with JWT-based authentication and role-based access control for merchant onboarding and customer management.
- Implemented asynchronous background job processing using **BullMQ** and **Upstash Redis** to automate payment reminders, email notifications, and bulk customer import workflows.
- Integrated Stripe Checkout and webhook-based payment processing to securely handle subscription payments and automatically synchronize payment status.
- Developed a responsive dashboard using Next.js for managing plans, customers, subscriptions, payment history, and merchant analytics.

## Certifications

- MERN Stack Web Development Program — J Spiders, Bangalore (2025)
- Web Development Internship Certificate – Unified Mentor (2025)