Bhupesh Gnanasekar

Technical Lead at Fintechy

Chennai, India LinkedIn GitHub

I build fintech backend systems for payments, accounts payable automation, and secure APIs.
3.5 years of professional experience + 1 year as an intern at Cratoflow.

Experience

Technical Lead · Fintechy 2026–Present

Senior Product Engineer · Fintechy 2025–2026

- Owned end-to-end backend delivery across a six-person team.
- Built reactive Spring Boot and MongoDB pipelines to process concurrent payment events without blocking.
- Built webhook handling and reconciliation across Plaid, Orum, Checkbook, and Bank of America.
- Published n8n and Power Automate integrations for accounts payable teams.

Product Engineer · Fintechy 2023–2025

- Built an automated accounts payable engine that served as the platform's primary revenue module.
- Integrated four financial providers and implemented idempotent retries for payment requests.
- Optimized frequent invoice lookups with targeted MongoDB and SQL indexes.
- Automated deployments across environments using Azure DevOps.

Product Engineer Intern · Cratoflow 2022–2023 · 1 year

- Refactored legacy UI state management and reduced the client-side bundle size.

Selected projects

PayCore
A Java microservices backend for coordinating payments and recording their financial effects in a double-entry ledger.

Blackbee AI
Reactive payment processing, webhook reconciliation across financial providers, and no-code integrations for accounts payable teams.

Taxby AI
End-to-end API payload encryption with JWE and ECDH-ES, transport security with TLS 1.3, and token proof of possession with DPoP.

Accounts Payable Automation Engine
An automated invoice-to-payment workflow that served as the platform's primary revenue module.

Technical skills

Java, Spring Boot Reactive, REST APIs, Node.js, SQL, MongoDB, PostgreSQL, Azure DevOps, Git, n8n, Power Automate, React, TypeScript, JavaScript, Socket.IO, Tailwind CSS

Education

B.Tech. in Information Technology · KSR College of Engineering · 2019–2023