

Noman Ashraf

PAYMENTS & INTEGRATIONS ENGINEER

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SUMMARY

Backend engineer with 4 years building production systems in Node.js, TypeScript and PostgreSQL. At Nivoda I owned payments end to end (Stripe, Airwallex and NetSuite) for a B2B marketplace processing 20,000+ payments a week across 10+ currencies, and built the reconciliation engine that replaced a fully manual process. Currently the sole engineer on internal tools for a US insurance company, on Next.js and Azure.

EXPERIENCE

Software Engineer (Contract) · US insurance company, via engineering partner Jul 2026 – Present

- **Sole engineer on the client's internal tools**, taking features from requirements to production.
- Building Next.js and TypeScript apps for the RFP and quoting workflows used by the client's team.
- Set up Microsoft Entra ID single sign-on so staff log in with their company accounts; deploy and run the apps on Azure with CI/CD.

Next.js · React · TypeScript · Node.js · Azure · Microsoft Entra ID · CI/CD

Software Engineer II · Nivoda Nov 2023 – May 2026

B2B diamond and gemstone marketplace serving 10,000+ retailers in 70+ countries.

- **Built automated reconciliation from scratch**, replacing a fully manual process. A second version settled single payments across multiple invoices and handled partial payments, bringing automation to around 70–80%.
- **Owned Stripe, Airwallex and NetSuite integrations end to end**: webhook idempotency, retries, partial refunds, multi-currency capture and settlement timing.
- **Moved payment processing out of the monolith** into an event-driven service on Kafka, publishing payment events to the invoice and order services.
- **Rolled out Stripe in the UAE and Saudi Arabia**, adding hundreds of payments a day.
- Built the NetSuite sync that records each payment, confirms the invoice, marks it paid and only then updates our database, with alerts on every failure.
- Designed PostgreSQL schemas for financial data (invoices, payments, balances, callbacks), optimised slow queries and ran zero-downtime migrations.
- Built GraphQL APIs for internal and external financial services, with Redis caching and background workers.
- Added Datadog monitoring, Slack alerts and a review dashboard so unmatched payments reached the accounts team; mentored engineers on payment-critical paths.

Node.js · TypeScript · PostgreSQL · GraphQL · Kafka · Redis · Datadog · Stripe · Airwallex · NetSuite

Software Engineer · Deutics Global Oct 2022 – Oct 2023

- Full-stack work on live products serving thousands of concurrent users (Node.js, Express, React, MongoDB).
- Built REST APIs and payment gateway integrations; deployed on AWS EC2 and Amplify with CI/CD and NGINX.

Node.js · Express · React · MongoDB · AWS (EC2, Amplify) · NGINX · CI/CD

EDUCATION

B.S. Information Technology · University of the Punjab 2019 – 2023

SKILLS

BACKEND	TypeScript, JavaScript, Node.js, Express, REST, GraphQL, Kafka, Redis, microservices
DATA	PostgreSQL (schema design, query optimisation, zero-downtime migrations), MongoDB
PAYMENTS	Stripe, Airwallex, NetSuite, webhooks, idempotency, reconciliation, multi-currency settlement
CLOUD & TOOLING	Azure, Entra ID, AWS, Docker, CI/CD, Datadog, NGINX, daily AI-assisted development
FRONTEND	Next.js, React, React Native, Redux