Ziyan Junaideen

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Lead Software Engineer | Payments | Ruby on Rails, Elixir/Phoenix

Software engineer with over 13 years building web platforms in Ruby on Rails and Elixir/Phoenix, the last 9 in payments and fintech. Founding engineer at Edge Payments Technologies: built its payment gateway, took it through processor certification, then led the tooling team of 3, building KYB/KYC, underwriting and fraud controls into the product. Earlier, sole engineer on a donation platform processing $100M+ a year. Has worked remotely with US and UK teams for over a decade and is available immediately.

WORK EXPERIENCE

Edge Payments Technologies **05/2022 - 11/2026**
Lead Software Engineer - Tooling **Los Angeles, CA, USA (Remote) • 04/2023 - 11/2026**
Promoted to lead the Tooling team after the Phoenix migration, owning merchant onboarding, the merchant and admin dashboards, invoicing, Paylinks and hosted checkout. Led 3 engineers until the company closed in November 2026.

- Built customer-facing and internal tooling in Elixir, Phoenix and LiveView, including public APIs, CLIs and third-party integrations.
- Built WooCommerce, Solidus and Spree payment plugins so merchants could take payments through the gateway from their existing stores.
- Implemented 3-D Secure (3DS and 3RI) authentication for card payments.
- Integrated Finicity, and later Plaid, into merchant onboarding to confirm that payout bank accounts belonged to the merchant and to flag empty accounts as an underwriting risk.
- Screened merchants at onboarding with LegitScript, Middesk (KYB) and Veriff (KYC) to reduce fraud.
- Wrote the API documentation and support material for merchants and integrating developers.

Senior Software Engineer **Los Angeles, CA, USA (Remote) • 05/2022 - 04/2023**
Founding engineer. Built the company's payment gateway in Ruby on Rails, took it live on RS2 for card processing, then migrated it to Elixir and Phoenix.

- Took the gateway through RS2's pre-production validation (PPV), the processor certification required before it could process live card payments.
- Integrated the RS2 (ISO 8583), NMI and Moov processors for card and ACH payments.
- Implemented KYC and KYB merchant onboarding with Middesk and Veriff, and transaction monitoring and risk scoring on Sift alongside the gateway's own fraud detection rules.
- Moved front-end components from Vue.js to Stimulus to meet a stricter Content Security Policy after a penetration test.

GivingFire **04/2017 - 04/2022**
Senior Software Engineer **Remote**
Sole engineer on the Ruby on Rails payment gateway and donation management platform used by about 250 churches and non-profit organizations, directing a designer where projects needed one.

- Scaled the platform to process $100M+ in gifts annually across card, ACH and cash.
- Built a custom subscription billing engine and tax receipt automation.
- Integrated Salesforce, Planning Center and Breeze, and built a Zapier app for custom workflows.
- Built a SaaS website builder for churches without websites.
- Built and maintained the Flutter mobile app.

Textbook Valet **02/2016 - 04/2017**
Senior Software Engineer **Texas, USA (Remote)**
Built the e-commerce, logistics, inventory and customer support platform for a company selling and renting textbooks at US universities.

- Built the e-commerce store with an extensive Stripe integration.
- Unified email, SMS and in-app messaging into one thread, so customers and agents could switch channels without losing the conversation.
- Built inventory management and order fulfillment with real-time tracking.
- Built staff scheduling for seasonal peaks and the reporting dashboard.

Orpiva (formerly ClothesNetwork) **03/2013 - 02/2016**
Software Engineer **United Kingdom (Remote)**
Built Orpiva, a curated fashion marketplace across Europe where customers could try products on virtually, shop together with friends and buy.

- Built a product data collection pipeline whose coordinator node started cloud VMs automatically to meet demand.
- Built virtual try-on with OpenCV (Magic Mirror) and a Fabric.js image editor with filters, cropping and social sharing.
- Built co-browsing so friends could browse and shop together.

EDUCATION

Bachelor of Science (B.Sc.) in Computer Engineering
University of Peradeniya Peradeniya, Sri Lanka • 2008 - 2012

Final-year team project SETrans, an English to Sinhala machine translator in Java; at least 20 times faster than the rule-based EngSin translator it replaced. Researched and built the symbolic AI approach (first-order logic over Stanford parser output), while a partner built the statistical disambiguation.

SKILLS

Languages: Ruby, Elixir, JavaScript

Frameworks: Ruby on Rails, Sinatra, Phoenix LiveView, Flutter

Frontend: Stimulus, React.js & Vue.js (as sprinkled components), Tailwind CSS, Bootstrap

Payments: Payment gateways, Card processing, Stripe, ACH, 3-D Secure (3DS, 3RI), ISO 8583, PCI DSS

Compliance and risk: KYB/KYC (Middesk, Veriff), Merchant screening (LegitScript), Bank account verification (Plaid, Finicity), Transaction monitoring (Sift), Merchant underwriting, Risk scoring, Fraud detection

Data and infrastructure: PostgreSQL, PostGIS, MySQL, Redis, Apache Solr, AWS, Linux

Testing and delivery: RSpec, ExUnit, Sidekiq, Oban, Docker, GitHub Actions

Practices: Technical leadership, API design (REST, JSON:API, MCP), Third-party integrations, AI-assisted development

Spoken languages: English (fluent), Sinhala (native)

WORKING HOURS

Available until 3:00 AM Sri Lanka time (UTC+5:30): US Pacific (Los Angeles), about 5 hours overlap; US Eastern (New York), most of the business day; UK (London), the full business day.