

Mithun Das

Senior Backend & Platform Architect

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Core hours: 1–11 PM IST (UTC+5:30). Client-specific overlap arranged for US and European teams.

Senior backend and platform architect building software since 2006. I deliver AI applications, financial integrations and EV charging backends through Jumacro Software Services. My work spans architecture, implementation, AWS infrastructure and release verification.

SELECTED PROJECTS

Paynthr | AI bookkeeping automation — 2025–2026 · Completed

Delivered through Jumacro. Product, architecture, backend, infrastructure and release; in production during the engagement from June 2026.

- Built document intake from Dropbox and email, OCR and Claude on AWS Bedrock, with tool use, prompt caching and streaming. Per-client rules and review thresholds governed QuickBooks Online posting.
- Used pgvector and Titan embeddings for entity resolution. Delivered 20+ Go services on ECS, Aurora PostgreSQL with tenant row-level security, Terraform, CodeBuild and a React UI.
- Integrated QuickBooks Online and Stripe; Yodlee integration was sandbox-only. A four-day staging certification reconciled 267 of 275 invoices to the cent; a separate release audit documented 210 findings.

Electroop | EV charge-point management — 2022–present

Project within the Localghost engagement, which began in 2018. Backend architecture for a live EV charging network.

- OCPP 1.6 / 2.0.1 over WebSockets; OCPI roaming, payment integration, session and job services, tenant/admin/public APIs and mobile application backends.
- TypeScript on AWS Lambda and ECS with PostgreSQL and Serverless Framework; C# and Python components. One platform supports seven white-label operator applications.

AVEA | Shipping and logistics — 2025–2026

Project delivered through Jumacro for a US logistics business.

- Built a shipping-label OCR pipeline with Textract, S3, SQS-buffered Lambda workers and SNS. Retained raw extraction responses for verification.
- Delivered Laravel vendor-portal fixes and a major-version upgrade. Built Python/FastAPI components for a direct-carrier gateway, which remained in development at handoff.

AWS cost reduction & infrastructure codification — 2025

- Inventoried and codified an AWS estate in Terraform. Reduced the monthly bill by 24%, from \$2,039 to about \$1,550; added budget alerts at 80% and 100%.

Mithun Das · Experience & technical coverage

EXPERIENCE

Jumacro Software Services Pvt. Ltd. — Established Dec 2014

Backend and platform delivery across accounting, logistics and SaaS. Selected Jumacro projects include Paynthr and AVEA; the Electroop project sits within the Localghost engagement below.

Localghost | Backend & Platform Architect — 2018–present

Platform and backend work from 2018; architecture and implementation of the Electroop EV charge-point management system from 2022.

Upwork | Independent engagements — 2015–2020

47 completed engagements, 2,400+ hours and 44 rated 5.0. Node.js/MEAN, Laravel, WebSockets, MongoDB and Neo4j on AWS and GCP for delivery, dispatch and tracking systems.

Pinpoint Media Design | Chief Technical Consultant — 2014–2018

Earlier: Lausitzer Rundschau, Senior Software Architect (2014); Rainmaker Technologies, Software Engineer (2012–2013); iSolution Software Systems, Project Manager (2008–2012); Websitespundit, Team Leader (2008); Apex Division, Senior Programmer (2007–2008); Ejobindia, Junior Programmer (2006–2007).

TECHNICAL COVERAGE

Languages & frameworks: Go, TypeScript/Node.js, Python/FastAPI, PHP/Laravel, C#, React.

Cloud & delivery: AWS ECS/Fargate, Lambda, Aurora, S3, SQS, SNS, CloudFront, CodeBuild; Terraform, Docker, Serverless Framework, GCP.

Data & AI: PostgreSQL/RLS, pgvector, Titan embeddings, MongoDB, Neo4j; Claude on Bedrock, tool calling, OCR/PaddleOCR/Tesseract, Textract; scikit-learn demo classifier.

Integrations: QuickBooks Online, Stripe, Dropbox, OCPP 1.6/2.0.1, OCPI; Yodlee sandbox and carrier API development.

PUBLIC ENGINEERING DEMOS

filing-agent — Local LLM tool loop with Ollama, evidence checks, bounded retries and run receipts.

doc-intake — TypeScript, local OCR and deterministic accounting rules; browser demo.

doc-intake-service — Python/FastAPI, React, Tesseract and a scikit-learn classifier trained and evaluated on synthetic data.

DELIVERY PRACTICE & EDUCATION

Written scope and acceptance criteria, reviewable pull requests, staging checks and rollback plans. I distinguish implementation, deployment and production verification. AI coding tools are used openly within my review process.

University of Calcutta · B.Sc., Science · 1999–2003