

Daniel Antony Rodrigues

India | +91 9601571455 | danielantorodri@gmail.com | <https://www.linkedin.com/in/daniel-rodrigues14/>
<https://github.com/dannyboy-1412>

SUMMARY

Backend Software Development Engineer with 3+ years of experience specializing in distributed systems architecture and high-performance API design. Proven track record of architecting and deploying production-ready applications from scratch, including an AI Agent which performs data analysis that secured significant investment and a blockchain data processing system enabling key partnerships. Reduced operational inefficiencies by 40% through strategic backend development and delivered automation solutions cutting processing times by 50-75%. Technical expertise includes backend development using Node.js and Python, along with Git, AWS, Docker, Kubernetes, RESTful APIs, GraphQL, SQL and NoSQL databases (e.g., PostgreSQL, MongoDB) and CI/CD pipelines with demonstrated ability to build scalable applications and optimize complex workflows.

TECHNICAL SKILLS: Python, Typescript, Golang, FastAPI, Django, Pytest, ExpressJS, NestJS, Postgres, Mongo, AWS, Git, Github, GenAI

PROFESSIONAL EXPERIENCE

MESHA

Software Engineer

Remote

Sep 2024 – Present

Delivered impactful backend solutions by owning key features, including email reminder flows for accountants to send to their clients using a query, bank transaction reconciliation integrating Plaid, and multiple AI-driven agents like the clarifications and Xero closing agents. Played a pivotal role in developing an in-house AI agent builder framework, empowering users to create custom workflows. Enhanced the user experience by implementing significant UI improvements deployed to production.

Product Hunt Link: <https://www.producthunt.com/products/mesha>

Invoice Recon

- Led the Recon feature from scratch using **Typescript, MongoDB, ExpressJS and Openai/Anthropic**.
- This feature helped accountants on our platform to reconcile transaction using an automated system powered by gen ai instead of manually looking through the dates, description, amount etc of each bank transaction and comparing it with open invoices which reduced their time taken to do recon by 80%
- The initial version had a 70% success rate and on subsequent iteration the success rate reached 95%

AI Agent Builder

- Developed an agent builder enabling users to design and execute custom workflows tailored to their specific requirements. The system incorporated human-in-the-loop review mechanisms at each step of the agent's task completion, ensuring accurate and desired outputs.
- The agent builder feature was built using the same backend stack as Recon. This feature helped us reduce significant development time for new requirements put forward by our clients.

PROPELLYR

Software Development Engineer

Remote

Aug 2022 – Aug 2024

Software Engineer specializing in blockchain technology and AI applications. Built full-stack solutions using **Nextjs, Python, Express.js, FastAPI, and DuckDB**. Developed cryptocurrency tax compliance systems, real-time data processing, and AI-driven analytics applications that drive business growth and operational efficiency. Proven ability to architect scalable solutions that generate significant business value through strategic partnerships and technical innovation.

- Led development of an innovative AI-powered data analysis application using **React.js, Python, FastAPI, and DuckDB**, resulting in successful fundraising and establishing the company's technical foundation
- Architected a high-throughput blockchain data processing system using **NodeJs** that delivered real-time OHLCV cryptocurrency price data using on chain liquidity pools, powering the company's core tax calculator product
- Spearheaded development of a crypto tax calculation engine that tracked on-chain staking and lending earnings, leading to multiple partnership offers with big blockchain companies such as Chainalysis and driving 40% reduction in operational inefficiencies via in house crypto price app instead of using an external service.

WIPRO

Project Engineer

Bangalore, India

June 2021 – July 2022

Worked extensively in Python, leveraging pandas and numpy libraries for data manipulation and statistical analysis.

- Engineered a predictive maintenance system using **Python, pandas, and numpy** to analyze machine performance metrics, establishing automated alerts for equipment anomalies that reduced downtime by 60% and prevented potential system failures.
- Implemented statistical analysis models to identify key business trends and patterns, resulting in actionable insights that drove a 25% increase in operational efficiency
- Created interactive data visualization dashboards using Python libraries, enabling stakeholders to track KPIs in real-time and make data-driven decisions

EDUCATION & OTHER

Vellore Institute of Technology, Vellore

2017-2021

Electrical and Electronics Engg, B.Tech

LANGUAGES: English, Hindi

INTERESTS: Football, Gaming, Horror/Thrillers