

# Daniel Antony Rodrigues

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<https://github.com/dannyboy-1412>

## SUMMARY

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Backend Software Development Engineer with 3+ years of experience building scalable distributed systems and high-performance APIs using Node.js and Python, thriving in fast-paced startup environments. Proficient in AWS, Docker, and database technologies including PostgreSQL and MongoDB. Experience in both monolithic and microservices architectures. Recently specialized in integrating generative AI technologies (OpenAI, Anthropic) into backend systems, designing and implementing robust solutions that handle complex data processing and real-time operations.

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

## PROFESSIONAL EXPERIENCE

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### MESHA

Software Engineer

Remote

Aug 2024 – Present

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

- Led the development of Recon, an AI-powered automated transaction reconciliation system using TypeScript, MongoDB, Express.js, and OpenAI/Anthropic, reducing reconciliation time while having an accuracy of 95%.
- Built features for clarification and closing agents that automated follow-ups for incomplete reconciliation data and ensured accurate transaction closures, reducing manual intervention and improving task completion efficiency.
- Developed an agent builder platform for creating customizable workflows with review checkpoints, significantly reducing development time for client-specific requirements.
- Utilized a unified backend stack for both Recon and agent builder features, streamlining feature development and maintenance.

### PROPELLYR

Software Development Engineer

Remote

Aug 2022 – July 2024

- 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**

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**Vellore Institute of Technology, Vellore**  
*Electrical and Electronics Engg, B.Tech*

*2017-2021*

**LANGUAGES:** English, Hindi

**INTERESTS:** Football, Gaming, Horror/Thrillers