

Daniel Antony Rodrigues

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

SUMMARY

Passionate Backend Software Development Engineer with 3+ years of crafting scalable distributed systems and lightning-fast APIs using Node.js and Python, flourishing in dynamic startup environments. Skilled in AWS, Docker, Kubernetes and database technologies including PostgreSQL and MongoDB, with hands-on experience in both monolithic and microservices architectures. Enthusiastic about AI innovation, combining professional expertise in OpenAI and Anthropic integrations with creative projects like my conversational AI chatbot (codestuffwdanny.com) that lets visitors chat naturally to discover my journey and expertise. Known for building elegant, robust solutions that transform complex challenges into seamless user experiences.

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

PROFESSIONAL EXPERIENCE

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 and implemented a high-performance distributed blockchain data processing platform leveraging **NodeJs, ExpressJS** in a RESTful API-centric microservices architecture that processed and delivered real-time OHLCV cryptocurrency market data through blockchain liquidity pool integration, enabling mission-critical tax calculation functionality for enterprise clients. Achieved 95% system uptime and processed 100k+ daily transactions.
- Led and architected a comprehensive enterprise-grade cryptocurrency tax computation platform integrating blockchain analytics for DeFi staking rewards and lending protocols. Engineered proprietary real-time cryptocurrency pricing infrastructure, resulting in 40% operational cost reduction by eliminating external API dependencies. Successfully positioned the solution for strategic partnerships with industry leaders including Chainalysis, demonstrating product market fit and scalability.

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

EDUCATION & OTHER

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

2017-2021

LANGUAGES: English, Hindi

INTERESTS: Football, Gaming, Horror/Thrillers