Michael John Eduave

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Skills

Languages: TypeScript, Python, Node.js, SQL
Frameworks & Libraries: React.js, Next.js, Svelte, Express.js, tRPC, Tanstack Query/Router, Zustand, Redux, Material UI, TailwindCSS, Chart.js, Zod, Sails.js
Cloud & Infrastructure: AWS (Lambda, DynamoDB, EC2, S3, SQS, SNS), Serverless Frameworks (SST, Serverless), Infrastructure as Code (Pulumi, Terraform), Docker, Containerization
Databases & Data: PostgreSQL, MongoDB, Redis, Elasticsearch, Data Modeling, ETL Processes, Data Pipelines, Data Integration, Geospatial Data Systems (Redis, OSRM), Web Scraping
Tools & Practices: Git, CI/CD (GitHub Actions, Jenkins, CircleCI, Vercel), Automated Testing (Playwright, Cypress, Puppeteer, Jest/Vitest), Monitoring & Observability (ELK Stack, CloudWatch), API Design (RESTful principles, End-to-End Type Safety), WebSockets, Build Tools (Vite, ESBuild, Webpack), Agile Methodologies

Experience

Full Stack Developer, Euclidean, Auckland, NZ **11/2023 - Present**

- Developed and launched 3 core modules for a mental health web dashboard using TypeScript, Vite, and ESBuild within an SST monorepo, increasing overall practitioner satisfaction by 45%.
- Built scalable serverless functions (AWS Lambda, tRPC, ElectroDB) enabling streamlined data export via HTTP streams for the analytics team.
- Implemented responsive UIs for practitioner portal and youth app (Material UI, Zustand, Chart.js, TanStack), increasing practitioner onboarding efficiency by 30%.
- Engineered core features for pre/post-session outcome measurements via integrated surveys (React.js, SES, tRPC), providing critical clinical data points.

Data Engineer, Specter, London, UK **08/2020 - 02/2023**

- Reduced AWS costs by 80% and improved pipeline reliability by migrating a managed Airflow instance to a custom data collection workflow using Pulumi.
- Decreased ETL pipeline execution time from 5 days to 1-2 days by implementing a multi-source data integration architecture (AWS S3, EC2).
- Designed and built an automated data enrichment system with VNC-enabled containers for human-in-loop verification (LinkedIn, Twitter, Google Search)
- Spearheaded development of a React.js/TypeScript platform to visualize and interact with collected data signals, improving client data accessibility.

Lead Engineer, Micab Systems, Cebu, Philippines **11/2019 - 08/2020**

- Led and mentored a five-person team through a major technical upgrade, implementing automated pipelines for CI and CD while driving gradual TypeScript adoption.
- Oversaw development and scaling of real-time booking and fleet management systems, ensuring 99.99% uptime under increasing load.
- Directed architectural improvements for key systems, including geospatial engine and monitoring stack, focusing on cost optimization and reliability.

Software Engineer, Micab Systems, Cebu, Philippines **06/2016 - 11/2019**

- Played a key role in building the initial real-time booking platform (Sails.js, WebSockets), scaling from 100 to 10,000+ vehicles and 150,000+ daily transactions.
- Engineered high-performance geospatial system (Redis, OSRM/Google Directions API), improving booking success rates from 15% to 85% and reducing costs from $15k to $1.5k/month.
- Developed and deployed a custom ELK monitoring stack with Slack integration, reducing critical incident response time from hours to minutes.
- Built the initial fleet management platform (React.js/Redux), enabling real-time tracking of 15+ operator KPIs.

Education

University of San Carlos, Philippines **2014**

Bachelor of Science in Computer Engineering