

CHANUKA GISHEN MENDIS

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)



PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 3+ years of experience building scalable web applications, ERP systems, and e-commerce platforms. Skilled in React, Next.js, Node.js, TypeScript, Python, REST APIs, and database design. Experienced in AWS cloud deployments, CI/CD, performance optimization, and delivering reliable software solutions.

CORE SKILLS

- **Languages** : JavaScript, TypeScript, Python, Java, Dart
- **Backend** : Node.js, Express.js, NestJS, FastAPI, Spring Boot, REST APIs
- **Frontend & Mobile** : React.js, Next.js, Flutter, HTML5, CSS3, Tailwind CSS, MUI, shadcn/ui
- **Databases & ORM** : PostgreSQL, MySQL, MongoDB, Supabase, Prisma ORM
- **Cloud & DevOps** : AWS, Docker, GitHub Actions, CI/CD, Nginx, PM2, Cloudflare
- **Tools & Practices** : GitHub, Postman, API Integration, Authentication, RBAC, Database Design, Agile

PROFESSIONAL EXPERIENCE

Software Engineer (Full-Stack) | 360Tech Jan 2024 – August 2026

- Designed, developed, and integrated REST APIs across business applications and third-party services.
- Developed scalable frontend and backend features using React, Next.js, Flutter, Node.js, Express.js, Nest.js and FastAPI.
- Designed and optimized relational database schemas and queries to improve application performance and reliability.
- Implemented authentication, authorization, and secure API integrations across business applications.
- Managed AWS cloud deployments and CI/CD pipelines to support reliable application delivery.
- Collaborated with stakeholders to gather requirements, define technical specifications, and deliver maintainable software solutions.
- **Technologies:** React.js, Next.js, Flutter, Node.js, Express.js, FastAPI, PostgreSQL, MongoDB, AWS, MUI, Tailwind CSS, shadcn/ui

Freelance Full-Stack Software Engineer | Self Employed July 2023 - Present

- Designed and developed full-stack e-commerce platforms, business management systems, and custom web applications.
- Built REST APIs, authentication systems, and third-party integrations using Node.js, Express.js, NestJS, and FastAPI.
- Designed database schemas and implemented data management solutions using PostgreSQL and MongoDB.
- Developed responsive, reusable frontend components using React, Next.js, and modern UI frameworks.
- Managed application deployments, hosting environments, SSL, domain configurations, and cloud infrastructure.
- Handled testing, debugging, performance improvements, and ongoing production support.
- **Technologies:** React.js, Next.js, Node.js, Express.js, NestJS, FastAPI, PostgreSQL, MongoDB, AWS, Docker, Nginx, Tailwind CSS

Full-Stack Developer (Intern) | BeGood Solutions July 2021 – July 2022

- Developed full-stack e-commerce and cloud-based applications using MERN technologies and Spring boot.
- Built REST APIs and integrated authentication systems, payment gateways, and third-party services.
- Worked with MySQL and MongoDB databases to support application functionality and data management.
- Assisted with AWS deployments, Git-based workflows, debugging, and backend optimization.
- Collaborated within Agile development teams while independently handling assigned development tasks.
- **Technologies:** React.js, Flutter, Node.js, Express.js, Spring Boot, MySQL, MongoDB, AWS, MUI

EDUCATION

BEng (Hons) In Software Engineering (Second Upper Class) 2019 – 2023

Informatics Institute of Technology (University of Westminster, UK)

KEY PROJECTS

ERP / Service Center Management System

[Express.js, MongoDB, React, AWS]

- Developed a business management system for work orders, invoicing, employee management, salary calculations, expense tracking, and reporting.
- Automated operational workflows and reduced manual administrative processes through complete system digitization.
- Implemented centralized reporting and data management features to improve operational visibility and financial tracking.
- Express.js, MongoDB, React, AWS

Visa Appointment Automation Bot

[Python, SeleniumBase, PyQt, FastAPI]

- Developed an automation system to monitor and reserve visa appointment slots in real time.
- Reduced manual monitoring workload by automating appointment tracking and booking processes.
- Built a high-speed booking workflow capable of handling limited-slot availability under heavy competition.
- Python, SeleniumBase, PyQt, FastAPI

Field Service Management System (EREngineers)

[Express.js, React.Js, MongoDB, AWS, GoogleAPI]

- Developed a full stack field service management system to manage work orders, invoices, customers and internal operations.
- Implemented employee management modules including attendance tracking, job assignments, and performance based work point calculations.
- Designed role based multi user system supporting administrators and staff with secure access control.
- Built scalable backend APIs and database structure to handle 1000+ customer records and operational data efficiently.
- Express.js, React.js, MongoDB, AWS, GoogleAPI

E-Commerce Platform (Vitalian Fashion)

[Express.js, React.Js, Next.js, MongoDB, AWS]

- Developed a full stack e-commerce platform for a local fashion brand enabling product browsing, cart management, and COD based checkout.
- Built admin dashboard and custom CMS for managing products, categories, orders, and customer data.
- Integrated Koombiyo Express APIs for logistics operations including pickup requests, order tracking, and waybill generation.
- Implemented secure order processing workflow with customer and admin role separation.
- Designed responsive UI for seamless shopping experience across mobile and desktop devices.
- Optimized product catalog and order flow for improved user experience and operational efficiency.
- Express.js, React.js, Next.js, MongoDB, AWS

REFERENCES

Mrs. Dimuthu Manel

Senior lab engineer at bureau veritas, Katubedda.

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Mr. Dilan Masakorala

Chief Executive Officer at 360Tech

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