

# Godwin J

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## EDUCATION

**BE-Computer Science and Engineering**  
KONGU ENGINEERING COLLEGE

Erode | India

## WORK EXPERIENCE

### **FOURKITES** | SOFTWARE DEVELOPMENT ENGINEER

Chennai, India | Jun 2024 – Present

- Built a Python-based AI email assistant using LangGraph which handles the entire customer support workflow - from auto-categorizing urgent logistics issues to drafting personalized responses. It processes over 1000 emails daily with 95% accuracy, which cut the response times from hours to minutes.
- Used Redis for smart caching and PostgreSQL with partitioning for storage, tracking email status, escalations.
- Developed backend services in Ruby and Go that power the core tracking platform. Made sure they're reliable and super fast, even during traffic spikes.
- Wrote optimized tests with RSpec, hitting 96% coverage. Caught edge cases before they hit production and made the whole test suite run 5x faster.
- Implemented and optimized metrics for detecting anomalies in large-scale time series data, improving monitoring accuracy and reducing false positives.
- Collaborated with the frontend team to rebuild the main app using TypeScript and React.
- Hands-on experience with systems design, architecture, and scaling the infrastructure using Docker, Kubernetes and Terraform.

### **ANOSHAYA** | SOFTWARE ENGINEER - INTERN

Bengaluru, India | Oct 2023 - Jun 2024

- Built a modern freelancer marketplace platform with visualizations for project metrics, earning trends, and client feedback using React Query for efficient data caching.
- Created diverse modules including dashboard analytics, project management, and financial metrics using Next.js server components reducing fetch latency and overall efficiency.
- Implemented backend with Node.js/Express along with MongoDB, JWT-based auth with refresh tokens and Redux Toolkit for optimized state management.
- Achieved seamless integration of third-party services, such as Stripe API for Billing and Payments.
- Wrote clean code which received honours from fellow developers.

### **I-TELLER** | FREELANCE

Trichy, Tamilnadu, India | Aug 2023

- Developed a Flutter-based projector management system handling 100+ daily bookings across 50 classrooms.
- Built dynamic filtering system with cascading parameters (year/department/class/section). Added predictive booking suggestions based on historical usage patterns.
- Architected real-time communication using Firebase RTDB (Real Time Database) with offline persistence.
- Created IoT automation to trigger devices based on authorized messages from teachers, establishing a controlled communication flow where only acknowledged messages allow subsequent interactions.

### **TRAINING-GROUPS** | FREELANCE

Coimbatore, Tamilnadu, India | May 2023

- Built a Web Tool to Generate Certificate after course completion. Using React with custom Tailwind components for certificate templates.
- Engineered NodeJS backend using Puppeteer and html-pdf for high-fidelity PDF generation. Added batch processing with Redis for handling concurrent requests.
- Developed secure approval workflow with role-based access. Added QR verification, and unique certificate IDs. Built admin dashboard for trainers to review completions and approve certifications
- Automated end-to-end delivery using EmailJS with custom HTML templates.

## PROJECTS

### X CLONE [↗](#)

NEXT.JS, TAILWIND, TYPESCRIPT, PRISMA, AMAZON RDS

A full-stack clone of X (former twitter), where users can tweet, follow others, like someone's post etc . Used Next.js, Tailwind, TypeScript, Prisma, Amazon Rds.

### YT-TO-SPOTIFY [↗](#)

PYTHON, YOUTUBE API, SPOTIFY API, OAUTH

A program that transfers any song-playlist or liked songs from Youtube to Spotify directly, and uses a refresh token to keep the session active. Used Python, Youtube API, Spotify API, OAuth.

### PORTFOLIO [↗](#)

NEXTJS, TAILWIND

My Portfolio website where I showcase few of my projects and works. Used NextJs, Framer-Motion, Tailwind, Resend.

### ALGORITHMS VISUALIZER [↗](#)

REACT, DSA

A visualizer built with ReactJs to visualize various **Path finding** and **Sorting** algorithms. Like Dijkstra's algorithm, A\* algorithm, Merge Sort, Quick Sort, Heap Sort, etc.

### MAPMYSTIQUE [↗](#)

MAPSAPI, FLUTTER

An application to visualize, plan and discover attractions for tourists from start to finish of the journey. Users can plan route based on their desired locations/spots.

### FLAPPY BIRD [↗](#)

P5JS, CSS, HTML

Recreated classic Flappy Bird Game using HTML and p5js.

## SKILLS

**Languages:** C++, Python, Java, Ruby, Golang, JavaScript, TypeScript, C, SQL

**Web Development:** React, JavaScript, NextJs, Angular, Redux, TypeScript, HTML/CSS

**Backend Development:** ExpressJs, NodeJS, Django, Flask, Firebase

**Databases** PostgreSQL, MySQL, MongoDB, Cloud Firestore, SQLite

**DevOps:** Git, Github, Github Actions, Github pages, Docker, WebRTC, Digital Ocean, AWS, Nginx, Vercel

**Others:** Pandas, Numpy, Prisma, SASS, Material UI, Bootstrap, Tailwind, Google Maps, Rest API, GraphQL

**Tools:** VIM, VS Code, Android Studio, Chrome Dev Tools, Postman, Figma

**Soft Skills:** Communication, Teamwork, Emotional Intelligence, Growth Mindset, Culture awareness, Team management