

JYOTHIS JAYANTHULAL

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EXPERIENCE

Software Engineer Intern

Sept 2024 – Present

Walton Systems, Ottawa, ON (Remote)

- Contributing to a complex loan management system using Express and Inngest for backend microservices, and Next.js/React for the frontend.
- Implemented concurrency in backend services, reducing task processing time by **97.5%**.
- Rewrote the backend server to fully support asynchronous tasks, significantly improving scalability and performance.
- Collaborate with cross-functional teams to integrate secure data handling and role-based access control for financial transactions.

PROJECTS

Telegram File Stream Bot

- A Telegram bot that provides instant file links for Telegram files, with over 1K GitHub stars.
- *Technologies: Golang, Web Server, Concurrency, MTProto API, TUIs*

DesterLib/Backend

- Backend for Dester, a simple and elegant Content Management System (CMS).
- *Technologies: Python, Golang, React, Web Server, API, Threading, Authentication, MongoDB*

Webshot API

- Developed a REST API to generate images from URLs using Chromium for high-quality web scraping.
- *Technologies: Dart, Web Server, APIs, Chromium, Web Scraping*

SKILLS

Programming Languages	Python, Golang, TypeScript, Rust, Kotlin, Java, C++, Dart
Frameworks	Express, Next.js, Jetpack Compose, Flutter, FastAPI, Flask, React, React Native
Databases	MongoDB, PostgreSQL, MySQL, Redis
Cloud	AWS (EC2, S3, Elastic Beanstalk), Vercel, Heroku
Tools	Git, Docker, Redis, CI/CD, Ansible, rClone, FFmpeg
Other Skills	Asynchronous Programming, Concurrency, REST APIs, MTProto API
Soft Skills	Problem Solving, Team Leadership, Collaboration, Time Management, Adaptability

EDUCATION

Diploma in Computer Systems Technology: Software Development and Network Engineering

2024 Jan - Ongoing

Sheridan College, Oakville, ON

Relevant Coursework: Data Communications & Networking, OOP using Java, Database Design, Linux OS, AWS Introduction, Automation using Ansible, AI & ML, Springboot, PL/SQL.