

Joel Ymele Leki

Full Stack Engineer



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Pickering



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Profile

High-impact Full Stack Engineer with 11 years of experience designing and building scalable, high-performance backend systems and websites. Passionate about leveraging AI to solve complex data challenges. Proven ability to take ownership of the entire development lifecycle, from technical design to deployment, in fast-paced environments.

Education

Humber College - Web Development Certificate (2013)

York University - BSc in Applied Mathematics (2012)

Technical Skills

- **Frontend Development:** React.js, Next.js, Angular 16, HTML, CSS, TailwindCSS
- **Backend & API Development:** Node.js, Express.js, Typescript, Microservices Architecture, REST API Design, PostgreSQL, Prisma, Firebase
- **Infrastructure & DevOps:** AWS, Docker, CI/CD, Ubuntu
- **Databases:** MySQL, NoSQL (Firestore), PostgreSQL
- **Developer Tools:** Git, Postman, Google Analytics 4, Google Tag Manager

Professional Experience

Full Stack Engineer | Groupe Media TFO | 2014 – Present

- Took full ownership of the backend architecture for multiple projects, designing and implementing scalable Node.js microservices that improved system resilience and reduced latency by 30%.
- Engineered and launched a new set of REST APIs in TypeScript, enabling new enterprise integrations.
- Optimized PostgreSQL database queries and implemented caching strategies with Redis, cutting average API response time.
- Designed and implemented security protocols to protect against common vulnerabilities and bot scraping, ensuring uptime and data integrity.

Sample Projects

Video Synchronisation Microservice

Using TypeScript, I created a microservice to retrieve video metadata from an internal API and to organise the videos by series, episodes and categories to display on multiple websites. Part of the task included uploading the video files to a Content Delivery Network (JWPlayer), uploading the close caption and thumbnails to AWS S3 and ensuring any updates to the videos in the internal software are reflected in JWPlayer.

Created an RSS Feed Generator

Created an RSS feed using Typescript. The RSS feed retrieves video data from an API and makes them available for an external advertisement company.

Google Analytics Configuration

Worked with marketing departments and designed ways to implement tracking solutions on multiple websites to fit their requirements.

Microservice Optimization

Took ownership of existing microservices, rewriting some in TypeScript. Implemented a Docker infrastructure to ease the installation of the microservices on different platforms.

Server Configuration

Configured multiple Ubuntu servers to fit the service or API requirements.

Personal Projects

Worked with clients to build websites customized to their unique needs. The websites were built using different technologies according to the project's requirements and client preferences. Some examples are listed below.

- Biochemical Engineering Discovery Research Group website - www.pylbiocheglab.com built with Wordpress
- Deepdil Tech Consulting Firm - www.deepdil.ai built with Next.js

Available for opportunities