Marcel FOKOUN

"*Software engineer passionate about clean code and scalable infrastructure. Seeking to contribute to impactful projects using Node.js, React, cloud technologies, and DevOps best practices.*"

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💼 Professional Experiences

🔹 **Software Engineer** - SoftAtHome (June 2023 - Present)

📍 Colombes, France (full-time)

Working on improving device detection for the home gateway solutions of our clients' partners:

- Creating and managing a device catalog (IoT, tablets, smartphones, etc.) sourced from both paid and scraped data, and deploying it on an OVH-managed Kubernetes cluster via GitLab CI/CD.
- Collecting and storing user feedback through a crowd service to enrich the catalog and tracking statistics to measure its impact.
- Designing and developing a frontend in React to display feedback and enable validation (both algorithmic and human).
- Scraping websites (e.g., GSMArena, Epson) to gather device information and enrich the catalog using XPath.
- Deploying scrapers on Google Cloud Platform using Terraform and GitLab.
- Monitoring applications with Prometheus, Grafana, and Kibana.

💻 **Tech stack**: `Node.js, React, MongoDB, Mongoose, GitLab CI/CD, XPath, Kubernetes, GCP, Terraform, Prometheus, Grafana, Kibana`

🔹 **Back End Developer** - Jinka (October 2022 - June 2023)

📍 Paris, France (full-time)

I had to:

- Maintain a crawler to fetch ads from any providers (seloger, leboncoin, fnaim, orpi, Paruvendu, avendrealouer, nestenn, arthurimmo, ouestimmofrance, immoregion, etc.), an API to access ads from users, or manage the metabase used to build a BI dashboard
- Rewrite the crawler project from JavaScript to TypeScript using NestJS
- Manage the Kubernetes cluster with the MySQL database
- Monitor the crawlers using Prometheus, Grafana, and Metabase

💻 **Tech stack**: `Kubernetes, Memcached, Prometheus.io, Grafana, Sentry, Gitpod, NestJs, Node.Js, Docker, Gitlab CI, Apache Kafka, Metabase`

🔹 **Software Engineer** - TWO-I (August 2020 - October 2022)

📍 Metz, France (full-time)

Building a Big Data Lambda architecture, adding features as a full-stack developer on both the frontend and backend:

- Live focus mode and logs display on the frontend
- Lambda architecture using Pyspark, MongoDB, Kafka, Hadoop, and a custom NestJs code to manage everything
- Migrate code from Vanilla JavaScript to TypeScript using NestJS
- LDAP authentication
- Create a tool to migrate data from MongoDB to PostgreSQL

💻 **Tech stack**: Lambda Architecture, Hadoop, NestJs, Node.Js, Python, Apache Spark, Elasticsearch, Meilisearch, Typesense, MongoDb

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🎓 Education

◆ **Master in Entrepreneurship** - UTBM (August 2019 - July 2020)

📍 Belfort, France (studies)

The objective of the Technological and Industrial Entrepreneurship Master's is to provide the skills necessary for the success of a business creation-takeover or business development project, in an industrial or technological context. ,

◆ **Software Engineer Degree** - UTBM (September 2017 - July 2020)

📍 Belfort, France (studies)

Graduated Software Engineer.

🛠️ Technical Skills

- **Languages**: JavaScript, TypeScript, Bash, Python, XPath
- **Backend**: Node.js, NestJS, Express, REST APIs, PHP, Python
- **Tests**: Mocha, Chai, Jest, Supertest
- **Frontend**: React, HTML5, Tailwind CSS, VueJs
- **Cloud & DevOps**: JavaScript, TypeScript, Bash, Python, XPath
- **CI/CD**: GitLab CI, GitHub Actions, Jenkins
- **Databases**: MongoDB, PostgreSQL, MySQL, Redis, Kafka
- **Tools**: Git, Postman, VSCode, Confluence, Jira, Monday, Trello

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🌍 Languages

- 🇫🇷 French: Native
- 🇬🇧 English: Professional proficiency (B2)

💬 Interests

- 🎶 Music production • 🏃 Running • 📷 Photography • 🏊 Swimming

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