

DJOUGOUNE KOUSSIÉ DJOUMA

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PROFILE

Computer Science graduate, Software Engineering concentration, with experience in critical environments where reliability, traceability and operational rigor are essential. Experienced in backend systems design, Microsoft Azure cloud deployment, application infrastructure security and enterprise solution configuration. Strong interest in industrial environments, systems optimization, technical documentation, automation and continuous process improvement.

PROFESSIONAL EXPERIENCE

Analyst-Programmer Intern

05/2026 – Present

Nova Bus – Saint-Eustache, QC / Hybrid

- Developed, configured and improved internal application solutions in an industrial context, collaborating with analyst-programmers and developers.
- Configured internal solutions with Power Platform: data structuring, creation of business tables and setup of relationships between entities.
- Analyzed technical design documents to translate functional requirements into clean, maintainable data structures.
- Contributed to Azure and DevOps tasks: cloud resource configuration, Terraform backend preparation, tracking of Azure DevOps/Jira integrations.
- Tested changes and validated the proper functioning of configurations before delivery.

Application Design & Development Specialist – Intern

05/2024 – 12/2025

Ministère de la Justice du Québec – Québec, QC

- Contributed to the evolution of large-scale critical systems used daily, including evolutive and corrective maintenance of production applications.
- Analyzed and improved complex business logic with strict reliability and performance requirements.
- Collaborated with multidisciplinary teams and documented changes technically, in compliance with quality and traceability standards.

Co-founder – Playmates

03/2025 – Present

Educational web platform – playmates.games

- Designed a modular, scalable architecture and developed secure REST APIs with Java and Spring Boot.
- Managed cloud deployment, application infrastructure and continuous improvement of modules.

RELEVANT TECHNICAL PROJECTS

Ministry Digital Platform (MSPI)

2025 – Present

Ministry of Public Security and Immigration (Chad) – React Native · Next.js · Supabase – securitepublique-tchad.org

- Designed a complete digital ecosystem: a bilingual (FR/AR) citizen mobile app and an institutional web platform, including a back-office for autonomous content management by business teams.
- Centralized citizen requests with tracking, history and notifications. **Impact:** publication time reduced from several days to under 10 minutes; full digitalization of a 100% manual process.

Self-hosted ERP – Normand Industries Inc.

2025 – 2026

Node.js · TypeScript · PostgreSQL – normanderp.com

- Designed an ERP covering accounting, operations, human resources and data management, with a secure modular multi-organization architecture.
- Automated processing of financial documents and built analytics dashboards. **Impact:** 60–70% savings on software licenses; 50–80% reduction in recurring administrative time.

Real Estate SaaS Platform – GoImmo

2025 – 2026

Mandated by Kernelor Inc. – .NET 8 · Vue 3 · TypeScript · Azure – beta.app.goimmo.ai

- Developed a SaaS platform managing the full lifecycle of real estate signs (ordering, scheduling, installation, tracking, billing), with integrated payment, notifications and geolocation.
- Deployed to production and used by a real client. **Impact:** replaced manual processes with a unified solution, sharply reducing planning time.

Traciterne – Secure Fleet Management Platform

2025 – Present

- Docker containerization and deployment on Microsoft Azure; RBAC access control with Spring Security.
- Audit logging, secure secret management via Azure Key Vault, and monitoring with Azure Monitor.

EDUCATION

Bachelor of Computer Science – Software Engineering Concentration

Université Laval, Québec

TECHNICAL SKILLS

- **Infrastructure & cloud:** Microsoft Azure (App Service, Azure SQL, Blob Storage, Key Vault, Monitor, Storage Account), Terraform, Docker, CI/CD (GitHub Actions), Power Platform and Dataverse.
- **Backend development:** Java, Spring Boot, Spring Security, C, .NET 8, ASP.NET Core, Node.js, TypeScript, REST APIs, modular architectures.
- **Databases:** PostgreSQL, SQL Server, Azure SQL, Supabase, data modeling and SQL query optimization.
- **Tools:** Git, GitHub, Jira, Azure DevOps, UML, Linux, Excel, Word.

CERTIFICATIONS & LANGUAGES

Microsoft Azure Fundamentals (2025) | CompTIA Security+ (2025) | French: advanced | English: advanced (TOEIC 899)