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EDUCATION

42 PROGRAMMING SCHOOL - PARIS

08/2016–PRESENT



- Systems programming in C (C99), memory management, UNIX internals
- Built from scratch : shell, malloc, printf, nm/otool (ELF/Mach-O parser)
- C++ (STL), Python3, Bash scripting
- x86 Assembly (NASM), GDB, binary exploitation
- Algorithm design : min-max, Dijkstra, A*, parsing

BS IN COMPUTER SCIENCE - LINDENWOOD UNIVERSITY - ST LOUIS USA

08/2014–06/2016



- Computer Science : data structures, algorithms, OOP, systems design
- Calculus : limits, continuity, differentiation and integration
- Physics : kinematics, vectors, Newton's laws, conservation laws, thermodynamics
- Biology : evolution, cellular biology, genetics, and ecology

WORK EXPERIENCE

LEAD SOFTWARE ARCHITECT, GEN AI – ATOS - PARIS

04/2025–PRESENT

- Design, develop and deploy production-grade AI systems : GenAI pipelines, RAG, agentic workflows, fine-tuning, inference APIs
- Modernize legacy codebases (C++, COBOL) to modern languages ; migrate mainframe/proprietary OS to Linux ; retro-document systems using LLMs
- Architect cloud-native solutions on AWS/Azure/GCP ; implement MLOps, CI/CD for AI, containerization and observability
- Enable client teams through consulting, pair-programming, workshops and knowledge transfer
- Tech : Python, TypeScript/Node.js, Go, LangChain, Hugging Face, Docker, Kubernetes, Terraform, AWS/Azure/GCP

LEAD SOFTWARE ARCHITECT - EMERIA TECHNOLOGIES - PARIS

04/2021–01/2026

- Owned architecture of Millenium, a property-management ERP : 400+ agencies, 8,500 users, 2.5M end clients
- Drove technical strategy across 11 teams (70+ engineers) in a Scrum LeSS organization
- Designed a large-scale microservices platform : 1B+ accounting entries, 40+ deployments/day
- Led mono-repo migration (NX) ; defined cross-team architectural patterns and coding standards
- Tech : Go, TypeScript, Node.js, NestJS, React, React Native, GraphQL, MongoDB, PostgreSQL, Elasticsearch, RabbitMQ, Docker, Terraform, AWS

HEAD OF DATA - EMERIA TECHNOLOGIES - PARIS

04/2018–04/2021

- Built a production-scale legacy migration solution (Oracle to PostgreSQL/MongoDB) : reduced migration time from 12+ hours to 30 minutes using Go
- Designed data modeling and scalability strategy across the platform ; owned legacy database modernization
- Developed a fully automated CI migration pipeline with GitLab CI for repeatable, zero-downtime data migrations
- Led data team ; recruited and mentored engineers ; established code review practices and standards
- Tech : Go, Node.js, PostgreSQL, MongoDB, Oracle, RabbitMQ, GitLab CI, Docker, AWS

BACKEND DEVELOPER - YELLOW INNOVATION - LA POSTE TELECOM - PARIS

01/2018–05/2018

- Built high-throughput back-end services in Rust (Actix Web) for a telecom innovation lab
- Tech : Rust, Actix Web

FULL STACK DEVELOPER - WEBEDIA (JEUXVIDEO.COM) - PARIS

06/2016–05/2018

- Full stack development (Node.js, React, PostgreSQL) on a high-traffic gaming platform (70M visits/month)
- Drove the migration of the legacy PHP stack to a modern Javascript architecture
- Optimized database performance : indexing strategies, denormalization, advanced materialized views
- Tech : JavaScript ES6+, Node.js, React, PostgreSQL

SKILLS

Backend	TypeScript, Node.js, NestJS, Python, FastAPI, Go, Rust, GraphQL, gRPC
Infra & DevOps	Docker, Kubernetes, Terraform, AWS/Azure/GCP, GitLab CI, GitHub Actions, OpenTelemetry
AI & LLMs	RAG, Agentic systems (CrewAI, MCP), LLM APIs (OpenAI, Anthropic), LangChain, AI-augmented dev (Claude Code, OpenCode)
Architecture	Microservices, Event-driven, API-first, Clean architecture, DDD, Platform engineering
Code quality	CI/CD, Testing (Vitest, Playwright), SonarQube, Code review, ADRs, Observability
Leadership	Technical leadership, Mentoring, Pair-programming, Consulting, Workshops
Languages	Fluent in English and French