

THOMAS BOISSON

Paris, France · EU citizen · Open to relocation

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PROFILE SUMMARY

Backend Software Engineer with 3+ years of experience (including work-study) at companies such as Criteo and BNP Paribas, building APIs and microservices in C#, Java, Python and Go. Strong infrastructure background with Kubernetes, AWS and CI/CD, bringing an end-to-end view of backend systems, from code to production.

TECHNICAL SKILLS

Languages: C#, Python, Java, Go, TypeScript, SQL

Backend: Node.js, ASP.NET Core, Spring, REST APIs, Microservices, Async & Concurrent Programming

Cloud & Infrastructure: AWS, Docker, Kubernetes, Jenkins, GitLab CI/CD

Data & Observability: PostgreSQL, MariaDB, S3 / Object Storage, Prometheus, Grafana, OpenSearch, Tableau

Engineering: Distributed Systems, TDD (NUnit), API Design

Security & Integrations: OAuth2, Vault, Salesforce API

AI & Automation: n8n, AWS Bedrock, Claude API, MCP, AI Agents

PROFESSIONAL EXPERIENCE

Code Busters — Software Engineer

Feb 2026 – Present

Mission: BNP Paribas, Corporate & Investment Banking

Jul 2026 – Present

- Develop Go microservices and Python backend extensions for an internal JupyterHub-based platform used by 1,000+ traders and quants across EMEA, AMER and APAC to launch and run their lab environments.
- Build Jenkins CI/CD pipelines to automate the build, testing and deployment of platform services, reducing manual interventions on production.
- Reduced data fetching time from ~5 min to ~1 min by redesigning the process with parallel workers, improving responsiveness for latency-sensitive trading users.
- Run services on a 58-node on-premise Kubernetes private cloud (1,400+ pods, S3-compatible storage, NAS), with no cloud provider.

Paris Corporate Housing

Sep 2024 – Aug 2025

Software Engineer (Apprentice) - IT Team

- Fixed a critical 2FA bypass and rebuilt authentication with JWT and Spring Boot filters on the client extranet.
- Built Java and Python integrations with Salesforce, Aircall and Gmail, including a pipeline syncing 100+ transcribed client voicemails per day into Salesforce.
- Designed a Jenkins/GitLab CI/CD pipeline across dev, preprod and prod with automated backups and one-click rollback, running ~100 production deployments and replacing manual deployments.
- Migrated a single Internet-exposed EC2 into a segmented AWS VPC (ALB + WAF, WireGuard VPN, Vault secrets) after an audit uncovering 100+ CVEs, and benchmarked AWS Bedrock against a self-hosted Mistral model for cost and data confidentiality.

Criteo

Sep 2023 – Aug 2024

Software Engineer (Apprentice) - .NET Performance team

- Built an internal Slack bot in C# (.NET, SlackNet), adopted across all Platform teams, that creates Jira tickets from Slack reactions.
- Designed its asynchronous, event-driven backend with NUnit tests and Vault-managed secrets, shipped via Docker and Jenkins.
- Diagnosed a log flooding issue causing latency and full disks using Grafana, and fixed it by reworking log levels.
- Contributed to .NET version migrations and performance investigations with senior engineers, profiling applications with PerfView and dotnet-trace.

SFR

Sep 2022 – Aug 2023

Data Engineer (Apprentice) - Quality of Service Team

- Built Python (pandas) and SQL (MariaDB) pipelines aggregating 50,000+ daily rows from each of 7 mobile network data sources (nPerf, Speedtest, SFR's mobile app "SFR & MOI") into normalized throughput, antenna and cell KPIs.
- Designed Tableau dashboards and automated alerting used by network engineers and managers to monitor QoS incidents.
- Built the data layer for Crowdsourcing, an ML-based alerting project aimed at cutting customer support calls by 80% during regional mobile outages.

EDUCATION

Master of Science in Computer Science – Cybersecurity & Systems

2022 – 2025

EPITA School of Engineering and Computer Science – Paris, France

Summer Exchange – FinTech Focus

Jul 2024

Dublin Business School – Dublin, Ireland

Mathematics & Computer Science – Preparatory Classes + Bachelor-equivalent

2019 – 2022

University Toulouse – Jean Jaurès – Toulouse, France

PROJECTS

Cybershadow — Shutlock CTF 2025 (DGSi x EPITA) — C, Python, Volatility, MemProcFS, SSH

Designed a memory forensics CTF challenge built from a Windows RAM dump, combining Python scripts that generate AES-encrypted network traffic, a C binary with a dynamic password-generation algorithm to reverse-engineer, and an SSH server vulnerable to CVE-2023-2283, offering two distinct solving paths.

League of Legends Custom 5v5 Platform — C#, ASP.NET Core, PostgreSQL, Docker

Built a full web application for managing custom League of Legends 5v5 games, including player management, ranked data, team generation and tier lists based on pre-calculated MMR and game history.

League of Legends Proximity Chat — C#, Python, ML, Discord API

Built a proximity-based voice chat system with C# clients and a centralized server, using ML-based player position detection to dynamically control Discord voice volumes based on in-game proximity across multiple lobbies.

Personal Infrastructure Lab — Linux, Docker, Networking, CI/CD

Built and operated a self-hosted infrastructure environment exposed to the Internet for hosting and deploying personal services, including the LoL Custom platform and Proximity Chat.