THOMAS BOISSON

Paris, France | +33 7 69 21 64 80 | thomasbsn66@gmail.com | www.linkedin.com/in/thomas-bsn/
thomas-bsn.dev | github@thomas-bsn | leetcode@thomasbsn

PROFILE SUMMARY

Aspiring Software Engineer with 3 years of hands-on experience through apprenticeships and freelance work. Skilled in backend development, distributed systems, and secure cloud infrastructure using AWS, GCP, .NET, and Python. Contributed to high-performance production systems and internal tooling across telecom, ad tech, and real estate domains. Passionate about building scalable APIs, automating infrastructure, and solving complex engineering challenges in collaborative environments.

CORE COMPETENCIES

- Backend Development
- Distributed Systems
- Cloud Infrastructure
- CI/CD Automation
- System Design

- DevOps Practices
- API Engineering
- Infrastructure Security
- Python Programming
- .NET Development

- Container Orchestration
- Terraform Automation
- Node.js Integration
- Design Patterns
- TDD & ORM

Technical Skills: C, C++, C#, Python, Java, Rust, Node.js · .NET, ASP.NET, Spring · PostgreSQL, SQL Server, MariaDB · AWS, GCP · GitLab CI/CD, Jenkins, Docker, Kubernetes, Terraform, Vault, WireGuard · Prometheus, Grafana, CloudWatch · System Design, TDD, ORM, Design Patterns, Secure Infrastructure, API Design

PROFESSIONAL EXPERIENCE

Outlier AI   Jan 2025 – Present
Freelance Software Engineer

- Delivered evaluation logic for an LLM assistant platform with NLP-based validation workflows.
- Contributed to RLHF workflows by producing structured feedback for model alignment.
- Executed asynchronous evaluation tasks to improve output quality and consistency.
- Delivered high-priority tasks autonomously within strict deadlines.

Paris Corporate Housing   Apr 2024 – Present
Software Engineer

- Developed backend microservices to support internal tools and external property listings.
- Assisted in modularizing backend logic and integrating OAuth2-compliant authentication flows.
- Automated CI/CD workflows with Bitbucket, Jenkins, and Docker.
- Re-architected the backend infrastructure with enhanced monitoring and environment isolation.

DGSI x EPITA   Sep 2023 – Present
Cybersecurity Challenge Creator (Shutlock – Cybershadow chall.)

- Created advanced CTF challenge simulating real-world memory forensics investigation process.
- Engineered binary traps and custom payload encryption mimicking real cyber attack behavior.
- Collaborated with EPITA and DGSI teams to ensure technical depth and relevance.
- Built reverse engineering exercises to teach forensic response techniques and tooling.

Criteo   Apr 2023 – Mar 2024
Software Engineer

- Developed asynchronous .NET APIs to support high-volume backend business operations.
- Maintained scalability of internal services by implementing optimized architecture solutions.
- Supported cross-functional teams as part of .NET reference and guidance committee.
- Improved fault tolerance and system responsiveness using async programming models.

SFR   Sep 2022 – Apr 2023
Data Engineer

- Aggregated mobile network traffic using Python for nationwide QoS visualization dashboards.
- Automated reporting and alerting pipelines, improving response time for network incidents.

EDUCATION

Master of Science in Computer Science – Cybersecurity & Systems **Sep 2022 – Apr 2025**
EPITA School of Engineering and Computer Science – Paris, France

Summer Exchange – FinTech Focus **Summer 2024**
Dublin Business School – Dublin, Ireland

Mathematics & Computer Science – Preparatory Classes + Bachelor–equivalent **Sep 2019 – Jul 2022**
University Toulouse – Jean Jaurès – Toulouse, France

PROJECTS

SIEM System (Rust)
Designed a modular event correlation and anomaly detection framework for security monitoring.

Tiger Compiler (C++)
Built a full compiler pipeline for Tiger language with parsing, analysis, and AST generation.

Kernel Development (C)
Developed a lightweight kernel handling memory, process scheduling, and hardware interrupts.