

SEBASTIEN HUGUENOT

AWS Node Tech Lead

10 years of experience

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Valid driver's license

EDUCATION & TRAINING

2014	*2017*	*2020*	*2021*	*2022*
Bac STI2D *Lycée de la Tourelle*	**Digital Technology Architect** *42 Paris*	**AWS Developer** **AWS Sysops Administrator** **AWS Solution Architect**	**AWS Database** **AWS Security**	**AWS DevOps Engineer** **AWS Solution Architect** **Hashicorp Terraform**

PROFESSIONAL SUMMARY

Tech Lead with 10 years of experience, specializing in cloud architecture and application modernization.
I design and execute AI strategies across tech organizations—from application integration to optimizing development workflows—to maximize engineering productivity.
Currently managing a development team at Kolecto while rolling out a company-wide AI strategy and leading cross-functional development projects.
AWS Certified professional with deep expertise in Infrastructure as Code (IaC), TypeScript, Node.js, modern frameworks, event-driven architecture, and automated testing strategies.

EXPERIENCES

Engineering Manager – Kolecto *(2025– Today)*

Built, recruited, and managed a cross-functional squad comprising 4 Developers, 1 Engineering Manager, 1 Product Manager, and 1 Product Designer. Spearheaded the company-wide AI development strategy and led cross-functional initiatives. The squad I assembled was quickly recognized as the "highest-velocity and top-performing team at Kolecto"
Key Responsibilities:

- Management of the e-invoicing module with successful onboarding of +100K companies
- Team management, career growth and tracking, monitoring team velocity, and implementing KPIs
- Implementation of an AI adoption strategy within my team and expanding it company-wide, enabling productivity gains of up to +50%
- Technical designs and technical design reviews to support a projected 100x user scale
- Development and improvement of tools enabling deployment and code review acceleration of up to 10x
- Prioritization, estimation, and product roadmap development in collaboration with multiple stakeholders
- Implementation of a cutting-edge observability strategy using Datadog and setup of incident management (firefighting) to detect issues before users even notice
  90% of bugs and issues resolved in under 24 hours
- Very active participation in Kolecto's recruitment with 40+ candidate interviews conducted

Technical Context: AWS, Terraform, NestJS, Typescript, PostgreSQL, ECS, Fargate, Serverless, Jest, Github Actions, Docker, Valkey, RDS, Datadog, Event Driven architecture

AWS Node Tech Lead - **Bonduelle** *(2022 – 2025)*

Refactored critical internal applications to modern technologies and established a long-term evolution strategy.
My responsibilities:

- Daily management of a 12-person team, code quality monitoring, and team velocity tracking through Agile methodologies and bi-weekly management reports
- Technical roadmap planning for upcoming developments
- Complete code architecture refactoring and framework upgrades to modern versions
- Complete redesign and security enhancement of AWS Cloud architecture while controlling costs (FinOps). Implemented Infrastructure as Code via Terraform
- Established automated testing strategy with Playwright and Jest
- Set up continuous integration and deployment pipelines via GitLab
- Implemented performance optimization strategy (horizontal scaling with Docker containers via ECS, Valkey cache, SQL query optimization, and data model enhancement)
- Deployed observability tools with Dynatrace

Technical Context: AWS, Terraform, NestJS, NX, Typescript, SQL Server, Angular, Docker, Playwright, ECS, Fargate, Serverless, Jest, Gitlab CI/CD, ECS, Docker, Valkey, RDS, Dynatrace

AWS Node Tech Lead - **TasteFever** *(2024 – Today) One-off Assignment*

Initiated and managed a project in the wine industry.
My responsibilities:

- Established the project foundation using modern frameworks (Angular, NX, NestJS, TypeORM, Docker, Node.JS, TypeScript, etc.) and development best practices (DDD, Clean Architecture, etc.)
- Built a highly available, scalable, and secure AWS Cloud infrastructure via Terraform
- Trained the team on proper cloud usage and leveraging its full potential
- Analysed and understood upcoming requirements to adapt cloud architecture accordingly
- Implemented and maintained observability tooling (Sentry)
- Set up deployment and integration pipelines (GitHub Actions)
- Developed and maintained an AI ChatBot connected to platform user data

Technical Context: AWS, Terraform, NestJS, MySQL, Angular, NX, Docker, Node.JS, Typescript, Docker, Serverless, Fargate, Lambda, Elasticache (Valkey), S3, DynamoDB, EventBridge, Secrets Manager, KMS, CloudTrail, IAM, Cognito, Sentry, Github Actions, Claude

AWS Node Tech lead - **Ledsreact** *(2020 – 2022)*

Created a comprehensive platform for monitoring and tracking measurements from a connected sports device.
My responsibilities:

- Team management and development progress monitoring to meet tight deadlines
- Coordinated communication between hardware and software teams to develop a Hybrid Mobile Application (Ionic) with Bluetooth connectivity
- Understood and translated business requirements into technical specifications
- Established the project foundation using modern frameworks (Angular, NX, NestJS, TypeORM, Docker, Node.JS, TypeScript, etc.) and development best practices (DDD, Clean Architecture, etc.)
- Created and maintained a multi-region, ultra-secure, and isolated AWS cloud infrastructure via Terraform (USA and Europe) for health data storage
- Documented cloud architecture and code to pass technical and security audits
- Implemented observability strategy with Datadog
- Established automated testing strategy with Cypress and Jest
- Set up continuous integration and deployment pipelines on GitLab

Technical Context: AWS, Terraform, NestJS, MySQL, Angular, Ionic, NX, TypeORM, Docker, Node.JS, Typescript, Datadog, Cypress, Jest, Gitlab CI/CD

Lead Developer – Harmoney *(2017 – 2020)*
Created a SAAS platform for banks and insurance companies with strict security requirements.
My responsibilities:

- Daily management of the development team, development monitoring, and code reviews (Angular, Tailwind, Node.JS, TypeScript, etc.)
- Implemented unit testing strategy with Jest
- Defined architecture and code best practices
- Wrote and maintained pipelines with GitHub Actions
- Facilitated Agile ceremonies and workload estimation with the team
- Regular communication with business stakeholders and designers to assess technical feasibility of requests

ADDITIONAL EXPERIENCE

SebOps *(2022 – Aujourd'hui)*
Developed a reusable codebase in my spare time to quickly bootstrap AWS Cloud projects with best practices in place (Clean Architecture, Automated Testing, DDD, etc.).
This project served as the foundation for TasteFever and was also adopted by Bonduelle for their internal applications.

Technical Context: AWS, Node.JS, NestJS, Typescript, Angular, Tailwind, Chart.JS, Ionic, Trivy, Unit Tests (Jest, Vitest), End to End Tests (Playwright), GitHub, CI/CD, Terraform, Docker, Mailjet, Stripe, Sentry, Datadog, PostgreSQL, Caching (Valkey/Redis), Prisma

REFERENCES

Available upon request
Christophe D. (Bonduelle): I.T Manager
Paul R. (TasteFever): CTO
Koen V. (Ledsreact): CEO
Stijn C. (Harmoney): CTO

LANGUAGES

French: Native
English: Fluent