



# GIUSEPPE RONCA

Tech Lead & Software Engineer

## About Me

Software Engineer with 15+ years of experience driving high-performing teams and delivering business value through technology. Skilled in leading, mentoring, and organizing teams, designing scalable software architectures, and fostering a culture of excellence and innovation.

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## Top skills

- Event-driven & Modular architecture
- Observability  
(metrics/tracing/logging)
- Infrastructure as Code (AWS CDK)
- Node.js/TypeScript (NestJS, React)
- CI/CD (GitHub Actions)
- SQL (MySQL, Postgres)

## Education

University of Salerno

Bachelor's Degree in Computer Science

2012 - 2019

## Experience

### NestDev

Dec 2024 - Today

#### Software Engineer - Contractor

Freelance software engineering and technical leadership across multiple clients.

- Game7 (Tech Lead): guiding backend architecture and developer experience for a community-driven platform.
- Other projects: Built and shipped internal operations fullstack tooling (stock management, **workflows, automation**) and **AI-assisted integrations**.
- Focused on **modular design, scalability, performance, and reliability**.

Tech: TypeScript, NestJS, AWS, CDK, SQL, Github Actions (CI/CD), React/Angular, C++

### Embed (ex. Fung Payments)

Oct 2023 - Dec 2024

#### Platform Engineer

- Designed and implemented scalable, **high-performance solutions** leveraging AWS Lambda, Fargate, and **event-driven architectures**.
- Maintained and enhanced observability systems to proactively detect bottlenecks and reduce incident response time.
- Improved and maintained **NestJS framework**, providing technical support and guidance to product engineering teams.
- Championed code quality and developer experience (DX) improvements, driving consistency and reducing technical debt.
- Optimized CI/CD pipelines to accelerate developer velocity and streamline delivery processes.
- Scaled infrastructure automation by migrating to **CDK IaC**
- Simplified local development setup, enabling fast, out-of-the-box application bootstrapping across all environments.
- Extended E2E and integration testing frameworks, increasing test coverage and reliability.
- Led platform security initiatives, including access control management and support for security certifications.

#### Senior Software Engineer

- Implemented PCI DSS compliance to enhance platform security.
- Defined scalable backend architecture for future growth.
- Integrated AWS CDK into CI/CD for automated infrastructure management.
- Supported team reorganization to improve collaboration and delivery.
- Designed NFT payment flow enabling secure blockchain transactions.
- Tech: ReactJS/NextJS, AWS CDK, IAM, Lambda, SQS, SNS, Cognito, DynamoDB, Typescript, NestJS, Github pipeline, Docker, Jest.

# Main Open-Source Projects

- **AzerothCore Founder** - 7.2k stars, 60+ collaborators, C++
- **NestJS-Yalc Founder** - Tooling used across multiple enterprise backends (TypeScript)

## Languages

- Italian (native)
- English (advanced)
- Spanish (beginner)

## Hobbies

- Technology
- Video games
- Travelling
- Nature
- Photography
- Coffee culture

### Bitvavo

Nov 2020 - Oct 2022

#### Technical Lead

- Led a JS to TypeScript migration across a large multi-service architecture (**NestJS, GraphQL Federation, Next.js**).
- Designed Internal Tools and User-domain architecture using **DDD, OOP, and reactive-functional patterns**.
- **Owned team leadership:** hiring, onboarding, coaching, code reviews, and technical documentation.
- **Ran delivery rituals:** sprint management, retrospectives, and skill matrix development.
- Set quality standards: design principles, **unit + e2e testing** with Jest (high coverage targets).
- Contributed to platform and infra: **GitHub Actions**, Kafka integration, Kubernetes migration support, ArgoCD, AWS, Terraform, **MySQL, Sentry, ClickUp**.

### Harlem Next

Nov 2019 - Oct 2020

#### Senior Software Developer

- Managed backend development for the platform's payment system, enabling secure and reliable transactions.
- Developed and maintained an in-house CMS, improving user autonomy in content creation and management.
- **Contributed to a microservices-based architecture using Node.js, TypeScript, GraphQL, Vue.js, Laravel, Lumen, and deployed on Google Cloud (Cloud Run, AppEngine, Firebase).**
- Optimized delivery processes with Docker, GitLab CI/CD, and Agile practices using JIRA.

### Red Square Team

Sept 2018 - Nov 2019

#### Founder & Lead Developer

- Skills acquired: **ReactJS 16.\*, GraphQL, Apollo Framework, NodeJS, Typescript, Electron, Apache Cordova, C++, Docker, GSuite, Project Management with AGILE Framework, Github and Gitlab platforms, Clockify.**

### Hyperweb

2006 - 2019

#### Founder & Lead Developer

- HyperWeb2 has been delivering software development, consulting, and technical assistance since 2007, with a strong focus on quality and continuous improvement. I have developed numerous websites and mobile applications using PHP, Node.js, and React.js for both national and international clients.

### Lenus Media

Sept 2015 - Sept 2016

#### Lead Developer

- Crossplatform Web & Mobile FullStack Applications with PHP, Apache Cordova and RESTful Architecture.

### Graffelab

Sept 2010 - Jan 2011

#### Front-end Developer

- Web Developing

### 7Web

Sept 2009 - Jan 2010

#### Software Developer

- Developing proprietary CRM/CSM/ECommerce.
- **Main languages:** Java & PHP.