

## Contact

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(LinkedIn)  
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## Top Skills

NestJS  
Amazon Web Services (AWS)  
PostgreSQL

## Languages

Spanish (Elementary)  
French (Elementary)  
English (Professional Working)  
Italiano (Native or Bilingual)

## Certifications

Functional Programming in Javascript  
Javascript hackerrank basics  
NestJS Zero to Hero - Modern TypeScript Back-end Development

# Joseph Ronca

Tech Lead and Software Architect  
Haarlem, North Holland, Netherlands

## Summary

I'm a Software Engineer with a Bachelor's Degree in Information Technology. I've 15 years of experience in software development and I usually spend most of my time exploring, making research and working in this field. My current focus is on leading, organizing, coaching people, designing software architectures, and providing top-notch developer experience using cutting-edge technologies to deliver the best business value.

## As a Manager and Leader

I've led many engineers and communicated with product managers and stakeholders to deliver projects on time and within budget. I'm always eager to assist my colleagues helping them to make the right technical decisions and working closely with them to speed up the tasks or unblock any impediment. I've worked a lot on optimizing the onboarding process, the developer experience, and the KPI goals such as team productivity, quality control and skill matrix. So far, I've been using the AGILE Framework by acting as a Scrum Master, coordinating retrospectives, introducing workflow gamification, and optimizing the meetings to keep the team focus and the motivation as high as possible. I'm also currently involved as the founder, lead developer, and administrator of various open-source and non-profit communities with thousands of active users such as AzerothCore

## As a Software Engineer and Architect

I've been responsible for the development of modular software architectures by:

- \* Designing the model of the architecture by using the Domain-driven approach
- \* Defining the structure of the code by using the most suitable patterns and principles based on the technical needs.
- \* Writing unit tests with 100% coverage threshold, e2e tests, and documentation.

- \* Using cloud solutions such as GCP, AWS, Proxmox and self-hosted software such as Sentry, ArgoCD, Grafana etc.
- \* Engineering complex pipelines with Github Actions
- \* Orchestrating containers remotely and locally with Kubernetes and docker-compose
- \* Streaming events between services with Kafka, Google Pubsub, AWS SQS
- \* Doing the off-the-shelf for a new project since I've worked in both the frontend and the backend with different kinds of languages including Typescript, PHP, Java, C++ etc. Also, I worked with many well-known libraries and frameworks such as NestJS, GraphQL, React, VueJS, Angular, Symfony, Laravel, Lumen, Boost etc.
- \* Storing data on different DBMS such as MySQL (that I master), MongoDB, SQLLite, Redis and Firebase.

I love to produce high-quality software and I always look for perfect, effective and practical solutions to any potential problem.

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## Experience

### Game7

#### Tech Lead

December 2024 - March 2025 (4 months)

Led the design of modular, scalable systems and contributed to strategic planning for community-driven platforms. Focused on backend architecture, developer experience, and aligning open-source contributions with business goals

Involved Technologies: TypeScript, C++, Rust

### Embed

2 years 6 months

#### Platform Engineer

October 2023 - January 2025 (1 year 4 months)

Amsterdam, North Holland, Netherlands

Responsibilities in Embed (Ex Fung Payments)

- \* Maintain and improve observability systems to timely identify bottlenecks and incidents

- \* Maintain and improve Nestjs framework and provide technical support to product engineering team
- \* Improve and monitoring Code Quality and DX
- \* Streamline CICD to optimize for developer velocity
- \* Streamline CDK usage to fully covered infrastructure-as-code setup
- \* Improve local development setup allowing for out-of-the-box fully functional application with minimal custom steps and performing well on all machines
- \* Introduce new designs for improving scalability and performance of our technical platform (Lambda, Fargate, Event-Driven flows)
- \* Extend testing framework and tooling for E2E and Integration testing
- \* Platform Permissions and Access Control
- \* Security certifications

### Senior Software Engineer

August 2022 - October 2023 (1 year 3 months)

Amsterdam, North Holland, Netherlands

#### Currently helping with

- \* PCI DSS implementation
- \* Definition of the new backend architecture
- \* Integration of AWS CDK with the pipeline
- \* Forsee the new team organization
- \* Designing the NFT payment flow

#### Hard skills involved:

- \* AWS CDK, IAM, Lambda, SQS, SNS, Cognito, DynamoDB
- \* Typescript
- \* NestJS
- \* Solidity
- \* Github pipeline
- \* Docker
- \* Jest

### Bitvavo

#### Technical Lead

November 2020 - October 2022 (2 years)

Amsterdam, North Holland, Netherlands

Hired as a Tech Lead on NodeJS and Typescript.

Responsible for the migration of a large multi-service architecture from JS to Typescript using NestJS, GraphQL Federation and ReactJS. Some of the points I was focused on:

- Creating the software architecture of the Internal Tools and User domain by using the before-mentioned technologies following the Object Oriented Programming and Reactive Functional Programming paradigms based on the Domain-Driven Design.
- Hiring, Leading and reviewing people
- Onboarding and coaching
- Sprint management, skill matrix and retrospectives
- Following the best design patterns and principles.
- 100% unit test coverage and e2e with jest
- Writing technical documentation
- Creation of reusable Github Actions.
- Kafka integration
- Kubernetes migration
- Worked with ArgoCD, Sentry, AWS Cloud, Terraform, MySQL, Clickup

### Harlem Next

Senior Software Developer

October 2019 - November 2020 (1 year 2 months)

Haarlem Area, Netherlands

Full Stack Developer.

Worked on a payment platform with the following technologies:

- NodeJS
- Typescript
- GraphQL
- Apollo Framework
- VueJS 2
- PHP Laravel/Lumen
- MySQL
- Google Cloud, Cloud Run, AppEngine, Firebase.
- Docker
- Gitlab CI/CD
- JIIRA
- Google Suite
- VSCode
- Microservices.

**Red Square Team**  
Founder / Lead Developer  
September 2018 - 2019 (1 year)

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.

**Hyperweb2**  
Manager / Lead Developer  
2006 - 2019 (13 years)

HyperWeb2 is a brand that since 2007 has been dealing with software development, consulting and technical assistance. Aiming for quality and the continuous search for perfection. I've developed dozens of Web sites and Mobile Applications with PHP or Nodejs/ReactJS Server for national and international customers.

**Lenus Media**  
Lead Developer  
September 2015 - September 2016 (1 year 1 month)  
Salerno Area, Italy

- Web Developing: Wordpress and Proprietary PHP software
- Crossplatform Mobile Applications with Apache Cordova and RESTful Architecture

**Graffelab**  
Frontend Developer  
September 2010 - January 2011 (5 months)  
Salerno

Website developing

**Intertexta Solutions**  
Software Developer  
May 2010 - July 2010 (3 months)  
Salerno Area, Italy

- Developer and Theme Designer for Joomla CMS

**7Web**  
Software Developer  
September 2009 - January 2010 (5 months)

Salerno Area, Italy

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

Oasis informatica

Hardware Technician

July 2006 - August 2007 (1 year 2 months)

Salerno Area, Italy

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## Education

Università degli Studi di Salerno

Bachelor's degree, Computer Science · (2012 - 2019)

I.T.I.S. B.Focaccia

High School Diploma, Computer Science · (2007 - 2009)

Liceo scientifico A. Genoino

High School Diploma · (2004 - 2006)