

# Michele Riva

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## Summary

Entrepreneur, awarded engineer, published author, and international speaker.

## Experience



### Co-Founder & CTO

OramaSearch

Mar 2023 - Present (8 months)

- Co-founded the company and helped the CEO lead investment rounds.
- Hired and managed the operations team.
- Created patents and wrote papers for our IP.
- Led product development with our CEO and our Head of Design, creating a new generation of AI-powered search engine experience that runs on edge networks.
- Represented Oramasearch Inc. at ECMA International as a TC39 delegate



### TC39 Delegate

Ecma International

Apr 2023 - Present (7 months)



### Staff Engineer

NearForm

Feb 2022 - Mar 2023 (1 year 2 months)

- Conducted architectural reviews for clients to help them save hundreds of thousands of dollars in infrastructure costs each year.
- Established the relationship with ECMA International and TC39, managing workforce for providing polyfills to the new internationalization features of EcmaScript.
- Talked to more than 50 international conferences about JavaScript, TypeScript, Software Architecture, and dozens of other topics.
- Developed and open-sourced Orama, the first full-text search engine capable of running on edge networks. At the time of writing, the project has more than 12,000 weekly downloads on NPM and more than 6600 stars on GitHub.



### Senior Software Engineer

Paramount

Apr 2020 - Feb 2022 (1 year 11 months)

- Designed, documented, and implemented the new multi-tenant architecture of Paramount, hosting more than 200 websites (including streaming services, news websites, and smart TV webviews) using AWS, Next.js, TypeScript, and Kubernetes. This allowed us to adopt CI and CD with multiple deployments per day in a large organization (around 500 developers), with the ability to push a new feature or fix to production in less than one hour.

- Created a custom, real-time, high-performance JavaScript/TypeScript compiling and bundling system, which improved the compiling phase of an entire monorepo by 90%.
- Defined the testing strategies and best practices for the whole web engineering department, leading to a +50% improvement in performance and over 98% of code coverage on a large (>50.000 files) monorepo.
- Led both technical and behavioral interviews of around 50 senior engineer candidates.
- Onboarded, mentored, and trained new colleagues on the current technology stack and coding style guides.



## Book Author

Packt

Nov 2020 - Jan 2022 (1 year 3 months)

- Authored the book "Real-World Next.js".



## Senior Software Engineer

Accenture Song

Jan 2018 - Apr 2020 (2 years 4 months)

- Designed, documented, and implemented a new architecture for the production line software of our biggest client in the automotive sector using Elixir, TypeScript, and Golang.
- Developed web interfaces for big international companies such as Maserati, Gucci, Fendi, Piaggio Group, etc., using React.js, Vue.js, TypeScript, and styled-components.
- Led technical interviews and helped hire around twenty developers.
- Advocated for more modern technologies adoption, such as ESNext, TypeScript, and Golang by giving internal talks, writing articles, and promoting open-source projects while training and mentoring colleagues.



## Software Engineer

GMDE | Pimcore Strategic Partner - WoodWing Platinum Partner - Naviga Int.

Distributor

Dec 2014 - Dec 2017 (3 years 1 month)

- Developed news websites for some of the most prominent newspapers in Italy, always caring about performance, accessibility, and reliability.
- Developed web applications using PHP Symphony, Node.js, and React.js.



## Fullstack Developer

Evolution Graphic

Dec 2013 - Dec 2014 (1 year 1 month)

- Developed and published WordPress websites with custom themes and plugins.
- Worked on sysadmin tasks such as VPS setup and CI/CD workflows on DigitalOcean, using GitLab and Jenkins.

## Licenses & Certifications



**International High IQ Society certificate** - International High IQ Society

Issued Jan 2019 - Expires Jul 2024

 **Google Developer Expert** - Google

 **Scrum Product Owner Certified (SPOC)** - The Knowledge Academy

 **Most Valuable Professional** - Microsoft