

Tal Berenstein

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Summary

Senior Software Engineer at Volvo Group. Expert in enabling software delivery, optimizing workflows, and leading multicultural teams to success. I combine an entrepreneurial spirit with a people-first approach to engineering leadership.

With a technical foundation established in Valparaíso, Chile, and academic training at Universidad Diego Portales in Santiago, I have developed a career defined by continuous technical evolution. My expertise spans system administration and core languages including Typescript, Java, Python, and C++. My commitment to agile practices was established early at a Brazilian startup and

formalized as a Professional Scrum Master™.

Extensive freelance work across Oceania and Asia honed my ability to deliver technical solutions within diverse multicultural environments and expanded my linguistic skills in Portuguese, English, and Swedish. Currently, I balance technical leadership with active development at Volvo Group Connected Solutions. While managing a team of Front-end developers and designers, I remain a hands-on engineer, actively contributing to the codebase and driving technical delivery. I am also enhancing my strategic overview through the Global Functional Leaders program in Gothenburg.

- **Languages & Frameworks:** TypeScript(NextJS, React, NodeJS), Java (Spring Boot), Python(Basic Jupiter and TensorFlow), GraphQL, SQL, NoSQL.
- **Cloud & DevOps:** AWS (Fargate, Lambda, CloudWatch), CI/CD(Code PipeLines, Github Actions), Docker, Grafana, Git (Gerrit, Github, Bitbucket)
- **Methodologies:** Scrum (PSM I), Technical Leadership, Clean Architecture, Microservices, Agile.

Experience

Volvo Group

GOTHENBURG, SWEDEN

Senior Software Engineer (Quality Assurance Team)

Jul 25 – present

Served as the **TypeScript expert** for the QA initiative, architecting a robust test runner to ensure platform stability for over 100,000+ users.

- **Cloud Infrastructure:** Designed and implemented a scalable testing environment using **AWS** (Fargate, CodePipelines, Lambda, S3, Secrets Manager).
- **Reliability & Monitoring:** Established active monitoring dashboards using **Grafana** and CloudWatch, ensuring a bug-free environment and high availability.
- **Outcome:** Successfully automated quality checks that guarantee the integrity of the platform across the complete micro-service stack.

Volvo Group

GOTHENBURG, SWEDEN

Senior Software Engineer / Tech Lead

Feb '23 – Jul'25

Leading the frontend domain while remaining a hands-on contributor. I guide a team of developers in delivering rich, responsive web applications and PWAs, balancing technical leadership with active coding.

- **Leadership & Mentoring:** Provided strategic guidance and coaching to engineers, enhancing problem-solving skills and accelerating project timelines.
- **Technical Delivery:** Driving code quality, optimization, and architectural decisions to ensure high-performance deliverables.
- **Process Improvement:** Developed technical training sessions that improved team proficiency in modern frameworks, resulting in a 75% increase in development efficiency and a measurable decrease in reported bugs.

Volvo Group

GOTHENBURG, SWEDEN

Professional Software Engineer

Feb '21 – Feb '23

Developed technical tools and applications within an agile team to enable in-depth troubleshooting and data analysis for connected solutions.

- **Backend Development:** Built and maintained scalable micro-services using **Java and Spring Boot**, ensuring robust data processing and API integration.
- **Frontend Architecture:** Developed the frontend stack using React, adhering to Clean Architecture and DRY principles.
- **DevOps & Tools:** Managed source code via Gerrit/GitHub and deployed using AWS cloud services and CI/CD pipelines.

Tal Berentein - Freelance

MELBOURNE, AUSTRALIA

Freelance Full-Stack Developer

Oct '17 – Jan '21

Delivered comprehensive software solutions ranging from architectural audits to cloud strategy and process optimization.

- **Stack:** NodeJS, GraphQL, React (Web/Native), PHP, SQL, and NoSQL.
- **Clients:** HappyCamperPizza.com.au, DelightChile.cl & OrakelFörlag.se.

Gestsol

SANTIAGO, CHILE

Front-end Developer

Apr '15 – Oct '16

Engineered high-performance mobile and web applications using Ionic, Angular, and Ruby on Rails. Key projects included a video streaming platform and a real-time GPS tracking system integrated with Elixir/Erlang backends.

Please refer to [Tal's LinkedIn profile](#) for a more complete list of work experience along with recommendations.

Education & Certifications

Global Functional Leaders

GOTHENBURG, SWEDEN

Leadership Development Program

Sept '23 – March '24

Scrum.org

ONLINE CERTIFICATION

Professional Scrum Master I (PSM I)

May '21

Diego Portales University

SANTIAGO, CHILE

BSc in Computer Science (CS & Telecommunications)

2009 – 2013

Another Skills

Teaching experience: Currently, I am teaching a small group of junior developers about React, Typescript, and CLEAN architecture, so they can get their first job in this passionate field.

Natural languages: Spanish (*mother tongue*), English (*full professional proficiency*), Swedish (*working proficiency*) and Portuguese (*limited working proficiency*)

Interests

Non-exhaustive and in alphabetical order: Analog Photography (Home film development), Biking, Chess, Cryptography, Functional programming, History, Music (special love for Argentinian Tango), Open water swimming, Philosophy, Startups, Travel, Typography (e.g. L^AT_EX), UX-design, Vegetarian cuisine, VRP (Vehicle Routing Problem)