Alessio Prestileo
Senior Frontend Engineer

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Profile

Senior Software Engineer with 8 years of professional experience and deep expertise in software architecture. Proven track record in developing and maintaining web and mobile applications using a variety of languages and frameworks. Excellent problem-solving skills and meticulous attention to detail. Exceptional ability to review code and mentor less experienced developers.

Skills

Programming skills
- Clean code
- Refactoring
- Debuggging
- Testing
- Monorepo

Programming Languages
- TypeScript
- HTML, CSS, JS
- Python
- C++
- Haskell
- SQL

Personal Skills
- Mentoring
- Reliability
- Receptiveness
- Collaboration

Frameworks & Libraries
- React
- Redux
- NodeJS
- npm
- Webpack
- React Native
- Angular

Other tools
- Git
- Jira

Natural Languages
- English
- Italian
- Norwegian
- Portuguese
- Spanish

Individual Learning

2016-Present

- Strongly typed functional languages: Haskell, PureScript and Elm.
- "Master Class in Software Architecture" course taught by "Uncle Bob" Martin.
- Fundamentals of 3D graphics in OpenGL.
- Advanced use of pointers, templates and polymorphism in C++.

Education

- M.S. Naval Architecture and Marine Engineering
  2011 University of Genoa, Italy
- B.S. Naval Architecture and Marine Engineering
  2008 University of Genoa, Italy

Work Experience

Senior Software Engineer
2020-Present
Oslo, Norway and remote, US — Forsta AS

- Main contact for TypeScript within the company.
- Practically eliminated runtime errors on 500k lines codebase by improving types.
- Contributed to new features by writing implementation, unit tests and e2e tests.
- Spent ~20% of time reviewing pull requests from other developers.
- Solved a variety of urgent bugs reported by users, as well as well known problems caused by poor architecture.
- Significantly improved deployment pipeline built with TeamCity (increased automation, reduced build time).
- Collaborated with UI/UX experts to enhance user experience and contributed to development and maintenance of a company-wide design system.
- Key role in technical interviews for prospective candidates (~50 candidates assessed in 2022, 12 candidates hired).
- Significantly improved developer experience by developing coding conventions and internal tooling.
- Contributed to the development and maintenance of an internal design system counting ~50 UI components.
- Assumed leadership in overseeing and delivering impactful, large-scale projects, collaborating with cross-functional teams of developers spanning diverse areas of expertise.

Senior Software Engineer
2018-2020
Oslo, Norway — Zirius AS

- Developed an ERP web application and an expense claim mobile app.
- Created and maintained design system implementation and developed coding conventions.
- Created and maintained deployment pipeline.
- Implemented OAuth 2.0 authentication for web and mobile clients.
- Assumed the role of frontend lead, mentoring and performing code reviews for less experienced developers.
- Conducted interviews, created tests and home assignments to assess prospective candidates.

Software Engineer
2017-2018
Oslo, Norway — 07 Media AS

- Developed and maintained websites using Drupal and Wordpress on the backend, Angular and Vue on the frontend.
- Key contributor to the development and maintenance speiding.no and tradisjonsmat.no

Structural Engineer
2011-2016
Oslo, Norway — DNV

- Performed non-linear FE calculations to assess the ultimate strength of marine structures.
- Developed customized features for engineering applications using Python and C++.