Curriculum Vitae
of
Fabrizio Ferrai

Software Engineer, Consultant

Personal Data & Contact ✏️

🏠 Location: Helsinki, Finland

🏳️ Citizenship: Italian

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🌐 Website: ferrai.io

🐙 Github profile: github.com/f-f

Short Bio 👤

Curious being, hungry learner, keeping up the good vibes. Also, they say I make good pizza. Things I'm currently most interested in: *Building Communities, Developer UX, DevOps, Software Architecture, Programming Languages for the Future*.

Work Experience 💼

2025 Nov -	**IO Global Ltd**	Remote
	Role: Senior Software Engineer	
	Tech: Haskell	

2021 Jan - 2025 Oct	**Norsk Video Streaming**	Remote
	Role: Senior Software Engineer	
	Tech: PureScript, Rust, Erlang, Zig, AWS	

2019 Nov - 2021 Jan	**Santoru Ab - Freelance Software Engineer**	Remote
	Notable clients: SignalVine, KSF Media, Condé Nast	
	Tech: Haskell, PureScript, Dhall, Terraform, Kubernetes	

2017 Jun - 2019 Nov	**KSF Media Ab**	Helsinki, Finland
	Role: Senior Software Engineer, Team Lead	
	Tech: Haskell, PureScript, Dhall, Terraform, Kubernetes	

2011 - 2016	**Freelance Software Engineer, Consultant**	Remote
	Notable clients: Sysdig, Algebris, Helvar, Nuvola, Elisa	
	Tech: Clojure/ClojureScript, Python, JS, PHP, Postgresql	

Education 📖

2014 - 2022	**Master** of Computer Science Engineering	Aalto University, Finland
2011 - 2014	**Bachelor** of Engineering of Computing Systems	Politecnico di Milano, Italy
2006 - 2011	Science High School **Diploma**	2nd Level College of Science "L. Mossa", Olbia, Italy

Programming & Technologies ⚡ 💻

Proficient in: *Haskell, PureScript, Rust, TypeScript, Python, Clojure/ClojureScript, Java, Dhall, HTML&CSS&DOM*

Familiar with: *C, C++, Idris, Bash, Go, Racket, Vala, SQL, PHP, LaTeX*

Tech I use/love: *Linux, Nix, ZFS, Git, Nginx, Kubernetes, Docker, AWS (S3, EC2, ECS, Lambda, DynamoDB, etc), GCP (GCS, GKE, GCE, Firestore, etc), CI&CD, PostgreSQL, MySQL, MongoDB, Ansible, Terraform, Django, Servant, NodeJS, Compojure, re-frame, Reagent, ReactJS, AngularJS, BackboneJS, jQuery, Apache Spark...*

Spoken Languages 💬

Mother tongue: **Italian**, **Sardinian**

Proficient in: **English** (C2 Level. Certification: TOEIC, July 2014. Score: 955/990)

Familiar with: **Swedish** (A2 Level)

Interests, Memberships & Achievements ♥ ★ 🏆

Open Source   PureScript Language Core Team member. Main author and maintainer of Spago, the official package manager and build tool.

Core contributor to the Dhall Language and its Haskell compiler. Author of its Clojure compiler and maintainer of its Kubernetes integration.

Core contributor to Snake (snake.li), a privacy-aware, end-to-end encrypted social network. The project is now defunct.

Public Speaking   "A package manager? I could write that in a weekend", ClojuTRE, Sept 2019

"Live-coding a Compiler: A Challenge", Heart of Clojure, Aug 2019

"Purely Functional DevOps with Dhall", ClojuTRE, Sept 2018

Music   Algorithmic composer and livecoder, art name CASSALPOPOLO. Released the EP Arangiu in September 2019.

Main composer and producer of the band Lights in The Distance. Released the album Through The Needles in April 2017.

Communities   Former President of Politecnico Open unix Labs (poul.org), a hackerspace and association of Politecnico di Milano students interested in Linux, hacking and FOSS.

Former Students' Representative for the School of Engineering of Politecnico di Milano.

Former member of "Tower of Hanoi", the Politecnico di Milano Computer Security Team. Its activities included participating in international CTF (Capture The Flag) competitions and organizing the PoliCTF.
Author of several CTF Challenges, mostly Cryptography.

Member of Mensa Italy since 2014 (mensa.org)