Jarno Luoma-Nirva Technical Lead



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Home page	https://jln.fi
Specialties	Python/Django, TDD, Vue.js
Other skills	AWS, C++/Qt, JavaScript, Jenkins
Profiles	GitHub: jarnoln LinkedIn: jarnoln

Work experience

- **2023-10 / current (3 years, 1 month) Technical Lead at Infiniteq Systems**
  - Developing and maintaining software for iRobo test robot using Python and Qt. CI/CD pipelines with Jenkins and GitLab.
- **2017-09 / 2023-10 (6 years, 1 month) Technology Specialist at Vaisto Solutions**
  - Python/Django and Vue.js development. Test automation.
- **2005-03 / 2017-09 (12 years, 6 months) SW Specialist at Symbio**
  - C++ programming for Windows and Linux platforms. UI implementation with Trolltech's Qt library. Android porting. Web services with Django. Worked for projects in Sweden, Taiwan and U.S.
- **2000-11 / 2004-02 (3 years, 3 months) Engineer Trainee at Instrumentointi Ltd**
  - Department: Insta Defence, Simulation Systems. Developing military training simulator systems. C++ programming and object-oriented design.
- **1999-02 / 2000-03 (1 year, 1 month) Research Assistant at Digital Media Institute**
  - Developing software-based MPEG-2 decoder for Pentium III processor. Optimization and processor-specific programming in C++.

Education

- **2000-04 / 2000-10 (6 months) Exchange Student at Kitami Institute of Technology**
- **1996-08 / 2004-12 (8 years, 4 months) M.Sc. of Engineering at Tampere University of Technology**
  - Degree Program in Information Technology. Main subject: Computer Science. Degree thesis: Training Simulator for Optical Range Finder.

Other experience

- **2023 Candidate in Parliament Elections**
- **2019 / 2026 Member of the Board in Finnish Pirate Party**
- **2004 Candidate in European Parliament Elections**
- **2003 / 2010 Member of the Board in Finnish Liberal Party**

Hobby projects

- **2023 Juttukaveri (https://juttukaveri.com)**
  - Technologies: Python, Django, Vue.js, TypeScript
  - Voice interface to OpenAI's ChatGPT. Backend with Python/Django using Django REST framework, frontend using Vue 3 + TypeScript. Open source, available in GitHub.
- **2023 Covid-questionnaire (https://koronavaalikone.fi)**
  - Technologies: Python, Django, Vue.js, TypeScript
  - Covid-related questionnaire to 2023 parliament election candidates. Backend with Python/Django using Django REST framework, frontend using Vue 3 + TypeScript with Pinia store and unit tests with Vitest. Open source, available in GitHub: backend, frontend.
- **2021 Where To Go For Lunch (https://wtgfl.com)**
  - Technologies: Python, Django, Vue.js, TypeScript
  - Multiple-choice voting service using advanced election methods. Backend with Python/Django using Django REST framework, frontend using Vue 3 + TypeScript. Open source, available in GitHub: backend, frontend.
- **2020 Exposures (https://altistukset.fi)**
  - Technologies: Python, Django, Vue.js
  - Corona exposure event database and report generator. Open source, available in Github.
- **2017 CVDB (https://cvdb.fi)**
  - Technologies: Python, Django, BDD, CI
  - CV/Resume database made with Django. Open source, available in Github.
- **2016 Mitasny (http://mitasny.com)**
  - Technologies: Python, Django, Javascript, TDD, CI
  - Simple task/project manager made with Django using TDD. Open source, available in Github.
- **2015 Plokkeri (https://plokkeri.fi)**
  - Technologies: Python, Django, TDD, CI
  - Simple blogging platform. Open source, available in Github.

- **2012 Tyranny of Majority (https://tyrannyofmajority.net)**
  - Technologies: Python, Django, MySQL, HTML5, Javascript
  - Web based collective decision-making tool for polling, voting and elections. Made with Python/Django, also used several other tools such as git, MySQL, HTML5, JavaScript etc.