Olliver Schinagl

Security, Software & Systems Architect for Embedded and IoT

"I think of myself as an engineer, not as a visionary or 'big thinker.' I don't have any lofty goals." - Linus Torvalds

Experience

Vocational

2023–now **Software & System Architect**, *Full-time*, Lely Industries N.V., Maassluis
As the Architect for the milking and cooling business team, I bridge the gap between business, customer, and technical teams to ensure strategic alignment. I also spearhead the integration of software development principles and architectural standards across multiple Scrum teams, laying the groundwork for a unified and scalable product ecosystem.
- Provided strategic leadership by driving the alignment of technical feasibility with business value and customer value, collaborating with key stakeholders across departments.
- Pioneered the development and standardization of architectural principles, establishing new processes for product development and ensuring a cohesive ecosystem.
- Contributed to the growth of the architectural practice by mentoring junior and senior architects.
- As a key contributor, defined and influenced the long-term direction and strategy for the product development department, the business team, and the broader organization.

2021–now **Consultant & Founder**, *Full-time*, Olliver Consulting, Culemborg
As an independent consultant, I provide clients with targeted expertise in architectural design, system security, and software development strategy to solve critical project challenges.

2018–2023 **Software & System Architect**, *Full-time*, EVBox B.V., Amsterdam
I joined a 5-person MCU development team and played a key role in scaling the department to 75 developers, while leading the development of new EV chargers for the Volkswagen and Mercedes groups.
- Conducted final technical interviews for around 300 applicants, directly shaping the growth of the engineering department.
- Developed and maintained key systems, including U-Boot/Linux drivers, the software update system and established the CI infrastructure.
- Acted as the Tech Lead across five embedded development teams.
- Served as Principal Architect for the EV charging platform, where I:
  - (Co-)Designed hardware, security, system and software architecture.
  - Guided the establishment of business and software requirements.
  - Mentored and coached developers and software architects to foster technical growth and expertise.

2014–2018 **Software Engineer / Tech Lead**, *Full-time*, Ultimaker B.V., Geldermalsen
Pivotal in scaling the R&D department from 7 developers to nearly 100 engineers. I led the technical development of a new generation of connected 3D FDM printers.
- Developed core software, GUI, U-Boot/Linux drivers and established the CI infrastructure.
- Served as Project and Tech Lead across both software and hardware teams.
- Managed the selection, sourcing, and integration of key components for the new platform.
- Provided consultation to the R&D department and broader company on technical challenges.
- Architected the software and system for the Ultimaker 3 platform.

2008–2014 **ICT Consulting**, *Part-time*, OGD, Culemborg
Various Jobs at Various clients, from (phone)support to bespoke software development.

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olliver • *The S in IoT stands for Security*

1997–now	**Community developer**, *Part-time*, Many open source projects, World
	Contributed to many projects. Testing, documenting and writing in various languages.

Miscellaneous

2013–2014	**Published author**, *Part-time*, Packt Publishing, Eindhoven
	Authored a book for Packt Publishing, available through online retailers. ISBN: 9781783281572.

Education

2005–2010	**Master program**, *TU/e*, Eindhoven
	Computer Science, with a strong focus on Security and Embedded Systems.
2001–2005	**Bachelor degree ICT**, *Fontys Hogescholen*, Eindhoven
	Technical computer science program (Pascal, C/C++, Java, embedded, SQL, cryptography).
1998–2000	**Technical Applied Physics**, *Fontys Hogescholen*, Eindhoven
	Concentrated on physics before transitioning to computer science.
1992–1997/8	**HAVO certificate**, *ISG Scholengemeenschap Arcus*, Lelystad
	Completed high school curriculum with a focus on science and mathematics.

Trainings

- Systems & Leadership Program - System Architect at TNO-ESI
- Mastering Software Architectures
- SW Arch. Foundation by iSAQB
- SAFe 5 Agilist
- Scrum Master

Languages

Dutch	Excellent	*Native speaker, comfortable with public speaking.*
English	Excellent	*Fluent, with extensive experience presenting to large audiences.*
German	Excellent	*Native speaker (born and raised in Austria).*

Skills

- Analytical Thinking
- Security-focused
- Quality-driven
- Pragmatic Balance
- Team Player
- Communicative
- Lead by Example
- Mentorship
- Champion of Documentation- and Test- driven development (DDD/TDD)

Technical skills

Modeling	(plant)UML, C4, ARC42, YAWL, . . .
Programming	C, C++, Object Pascal, Delphi, Java, PHP, SQL, ASM, Rust, . . .
Scripting	(posix)sh, Python, HTML, CSS, Javascript, Docker, GitLab CI/CD, DevOps, . . .
Platforms	Linux, ARM, AVR, x86, I²C, SPI, UART, SWD, JTAG, . . .
Miscellaneous	LaTeX, KiCad, PostgreSQL, TPM, JSON, RESTfull, GraphQL, PyQt, R, . . .

Interests

- PCB design
- Home automation
- FOSS contributions
- DIY - Home Improvement

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