$ whoami

Andreas Coroiu

Software engineer and tech lead. Independent through **Pear Programming AB**, currently leading the Platform team at **Bitwarden**, across its web, browser and desktop clients and the Rust SDK that also powers mobile.

Tech lead and engineer, both at once. I don't stay in one lane: I follow problems across the stack and fix them where I find them, mostly in the plumbing between things: the SDK's core runtime, language bindings, generated API clients and repo structure. And I lead: aligning teams on architecture and ownership, and sharing what I learn so the whole team moves faster.

> *"My main goal and strength is the ability to understand the underlying nature of any problem."*

work

$ git log --oneline bitwarden

sep 2025	**Tech lead, Platform** · core SDK runtime, cross-repo structure, ownership boundaries, architecture decisions
2025	**Rust SDK integration & IPC** · the shared Rust core in the clients
2024	**Upstream to passkey-rs** · contributions to the open-source passkey crate
2023	**Led passkeys in the clients** · from first definition to shipped feature
jun 2022	**Joined as software engineer** · through Pear Programming AB. First stop: the Component Library

$ git log --oneline --before=2022

2022 — **Advinans** · software engineer

- Designed and built a complete feature end to end: purchasing and reselling SF cinema tickets for companies.

2020 – 2022 — **Prisjakt** · senior developer via tretton37

- Part of a task force solving important cross-domain challenges.
- Set up a new B2B department, coordinating with existing departments to get to market quickly, following lean startup.
- Drove the team-topology work for owning a core platform service.
- Microservices on GCP: Cloud Functions, Cloud Run and Kubernetes. Python first, then TypeScript as the primary language.

2017 – 2020 **Volvo Trucks** · lead developer via Combitech

- Architectural design and implementation in an agile team, in close collaboration with the project's senior architect.
- Kept architectural artifacts in step with the product domain, and used them to plan work by comparing the ideal implementation with the actual one.
- Tech lead: kept in sync with other teams, supported product owners as domain expert, and made sure every team member could take responsibility for the product.
- ASP.NET Core and Angular, deployed to a Kubernetes-based OpenShift cluster.

---

education

2012 – 2017 **M.Sc. Computer Science, LTH** · Lund University

- Thesis at Combain Mobile: “A Platform for Indoor Localisation, Mapping, and Data Collection using an Autonomous Vehicle”. Built the MVP on the Robot Operating System (ROS), with a web interface for operating the robot.
- Alongside studies: full-stack web development at Combain Mobile, Lunicore Studentkonsult and We Know IT.

---

toolbox

stack	Rust · TypeScript · C# · Angular · ASP.NET Core · GCP · Kubernetes
languages	Swedish (native) · Romanian (native) · English (full professional) · Japanese (elementary)

off the clock

pico-link	A USB-to-Bluetooth audio dongle with a screen. Shows up as a plain sound card, streams LDAC to your headphones, and tells you what the link is doing. Web companion over WebUSB. github.com/coroiu/pico-link
heat_exchanger_controller	Runs my house's district heating with model-predictive control instead of a fixed heat curve, by feeding the heat exchanger a fake outdoor temperature. github.com/coroiu/heat_exchanger_controller

company

name	Pear Programming AB
org.nr	559380-6002
vat	SE559380600201
f-skatt	godkänd för F-skatt
seat	Malmö, Sweden
invoicing	billing@pearprogramming.se