Lucian Ursu

Senior Software Developer | I breakdown and solve complex software problems

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Summary

Whether it's migrating codebases without downtime or solving cross-disciplinary problems in infrastructure, backend, and frontend, I can help.

If you check my experience, you'll see I've worked across **languages, stacks, and industries**. My experience is **broad rather than deep**—which means:
✔ I see **recurring patterns** across different systems.
✔ I can **guide teams toward the right solution** instead of just focusing on one piece.
✔ I work alongside specialists or execute the solution myself (if time allows).

Throughout my career, I've often been the **liaison to a technical co-founder or CTO**.

Professional Experience

Senior Software Developer | Contractor
January 2012 - Present (13 years +)

Key Contributions:
- **Refactored** & **optimized legacy codebases** without downtime for multiple startups, reducing technical debt and improving maintainability.
- **Developed and optimized infrastructure** for scalable applications, using Nix/NixOS, Terraform, and Docker.
- **Built browser extensions** & **web backends**, including an eBay extension deployed across all major browsers.
- **Advised CTOs** & **technical founders**, providing guidance on architecture, deployment, and best practices.

Selected Projects:
- **Unhack AI Labs** (**2021–2022**): Developed a TypeScript CLI tool for automatic refactoring, based on a custom language server developed by the client.

- **Juspay** (**2018–2021**): Migrated a data pipeline from Python to PureScript using a custom Haskell transpiler.
- **AppCoast** (**2016–2018**): Rewrote by myself an eBay browser extension in TypeScript, ensuring long-term maintainability.
- **Arise.io** (**2013**): Built a RESTful API for an A/B testing SDK with Django and DRF. Shipped a production-ready system in 2 months.
- **Comedylib** (**2012**): Co-founded and built an end-to-end comedy video aggregation platform using Django, Celery, Memcached. Successfully launched and later open-sourced the project.

Code4Romania
Volunteer Team Lead for SNA
February 2017 - February 2018 (12 months)

- Led a small volunteer development team (3 devs) on a public-facing web application for Romania's Ministry of Justice, supporting the Strategia Națională Anticorupție (SNA).
- Oversaw planning, team coordination, and direct communication with institutional stakeholders.
- Successfully delivered and launched the tool, which visualized key anti-corruption metrics and was adopted for public use.

Inneres Auge Co.
Python Developer
February 2011 - November 2011 (10 months)

- Developed small scripts interfacing with an LDAP server, an e-learning platform with Django, and a time tracking system with Flask.
- Mentored a junior developer, sharing knowledge and guiding project tasks.

International House Bucharest
English Language Teacher
February 2008 - November 2008 (10 months)

- Taught Beginner and Intermediate English to OMV Petrom employees from Moinești

Education

University of Bucharest
Master of Science - MS, Applied Mathematics (2024 – 2026)

- Probability, Statistics, Optimisation in Finance and the Sciences

Universitatea Vasile Alecsandri din Bacău
Bachelor of Arts - BA, Romanian and English Language and Literature (2002 – 2006)

Technical Skills

- **Programming Languages:** Python, TypeScript, Haskell, BASH, and many others
- **Frameworks & Libraries**: Django, NumPy, Pandas
- **Tools & Technologies:** Ansible, Terraform, Ubuntu, Nix/NixOS, Docker, PostgreSQL, Memcached, Celery
- **Cloud Providers**: Linode, DigitalOcean, Hetzner, Oracle Cloud, Cloudflare, AWS, Azure
- **Specialisations:** Web Development, Infrastructure Automation, CLI Tools, Functional Programming

Key Strengths

- Experience working across infrastructure, backend, and frontend domains.
- Strong adaptability to new languages, frameworks, and team dynamics.
- Proven ability to design and implement robust, maintainable systems.
- Functional programming expertise with real-world implementation.
- Skilled in collaborating with cross-functional and international teams.