Romain Leprevost

MSc-level engineering student, INSA Rouen Normandie (France)
Designing, deploying and securing systems in production

> seeking a 10–12-week internship, late June – early Sept. 2027

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Driving licence

01 / SKILLS

Infra & DevOps	Linux, Docker, CI/CD, Git, reverse proxies, WireGuard, HAProxy, Cloudflare Zero Trust, Kubernetes and Terraform (basics)
Databases	MongoDB, PostgreSQL, MariaDB, Redis, RabbitMQ
Security	Linux server hardening, intrusion, privilege escalation, API reverse engineering
Languages	Go, PHP, TypeScript / JavaScript, Java, Python, SQL, LaTeX
Web	Symfony, Laravel, Node.js, REST APIs, Vue / Nuxt, React / Next.js, Tailwind CSS, Vite, Sentry

02 / SYSTEMS IN PRODUCTION

Purple Rouen, registration platform · Technical and infrastructure lead · purplerouen.fr — 2024–2026
- Student charity race: **745 participants** across two editions, **€7,073 raised** for charities
- Self-hosted infrastructure (Linux administration, monitoring, backups), business-critical on race day
- Symfony API, Nuxt client, online payments, automated medical certificate checks, QR e-tickets

MongoSK, open-source MongoDB library · Java, GPLv3 · member of SkriptLang and Skript-MC — since 2020
- **150+ servers**, 9,700+ downloads, 34 GitHub stars; around **2,300 open-source contributions** in a year
- Reported **JAVA-4711** in MongoDB's official Java driver, a reactive-streams regression fixed in release 4.7.2

Lever, cost-aware failover orchestrator · Go, personal project — 2026
- Shifts load to an hourly-billed cloud VM during traffic peaks (WireGuard, HAProxy, Cloudflare Tunnel): **€6.50/month** instead of ~€140 for a dedicated server

INSATutorat, tutoring management platform · STPI department, INSA Rouen Normandie — 2025
- Go API, tutor/tutee matching under timetable constraints: **400+ students** supported

03 / SECURITY

TRACS 2025: 2nd out of 110+ teams · CentraleSupélec — Dec. 2025
- Intrusion and post-exploitation role: network mapping, privilege escalation on Linux hosts
- Example: compromised a CI/CD pipeline through a misconfigured Gitea runner

Access control and authentication · Personal and open-source projects
- Open-source OAuth2 client libraries (PHP), prototype OAuth2 authorisation server
- Server admin panels protected with Cloudflare Zero Trust (PufferPanel and Pelican forks)

04 / EXPERIENCE AND RESPONSIBILITIES

Students' Union (BDE), INSA Rouen · Board member, head of services, logistics and IT — Jan. 2025–present
- **Overhauled how the union operates**: click-and-collect shop, online bookings, extensive automation
- Built and administer the new website bde.insa-rouen.fr: shared calendar, club news
- Day-to-day stock management and event logistics

INSA Rouen Normandie, student housing office · Part-time student contract — Aug. 2024–present
- Automation scripts for processing administrative files and tracking supporting documents

Elected student representative · Student Life Council, then IT Department Council — 2024–present

05 / EDUCATION

INSA Rouen Normandie, engineering degree · Computer Science & IT (ITI), 4th of five years — 2025–2028

RMIT University, Melbourne · Exchange semester, postgraduate cloud and cyber security — Feb.–June 2027

INSA Rouen Normandie, foundation years (STPI) · Majors in computer science and mathematics — 2023–2025

Languages · French (native), English (B2+), Spanish (basics)

Interests · Event organisation, triathlon