Simon Bihel

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github.com/sbihel

SKILLS

Rust One of my main interests, I have four years of experience working with it in different contexts, from libraries and web services to bindings in various languages.

Infrastructure One of my main responsibilities, I have experience working on internal infrastructure as well as working in customers' environments.

Digital Identity I have been working in this domain for four years, ranging from working and implementing standards to designing solutions.

EXPERIENCE

SpruceID	(Remote) London, United-Kingdom
Principal Software Engineer, Head of Infrastructure	March 2023 – Present
Senior Software Engineer, Infrastructure Lead	April 2022 – March 2023
Software Engineer	September 2020 – April 2022

- Joined as the second employee and worked on most projects over the years.
- Development: worked on most libraries and services. Mostly in Rust but generated bindings for other languages. Also worked on web and mobile apps.
- Standards: participated in the implementation of new standards (e.g. Verifiable Credentials, OID4VC, ISO mDL, Sign-In with Ethereum).
- Infrastructure: single person responsible for it, I provided direction and did most of the implementation.
- DevOps: managed services deployments, CI/CD pipelines, and monitoring.
- Architecture: contributed to infrastructure and software architecture discussions.
- Compliance: worked on the infrastructure side of SOC2.
- Management: up to 7 direct reports at a time, I was also part of the leadership team.

Nexmo (Vonage)	London, United-Kingdom
Software Development Engineer in Test	November 2018 – October 2020

- Testing: maintenance of the test suite (e.g. abstraction and generation of tests, parallelisation).
- Monitoring: facilitate incident impact measurement, track API usage, alerting (pushed for on-call).
- Investigations: understanding test failures or abnormal behaviours across the services.
- Development: built a rating engine, refactored cluster management, various internal changes in services.
- DevOps: AWS migration, maintenance of on-demand test environments (e.g. dockerise services, debugging).

KTH	Stockholm, Sweden
Research Intern	February 2018 – June 2018
KAIST	Daejeon, South-Korea
Research Intern	March 2017 – August 2017
IRISA & INRIA	Rennes, France
Research Intern	May 2016 - July 2016

EDUCATION

University of Rennes 1 & ÉNS Rennes	Rennes, France
BSc & MSc in Computer Science, research track	2013 - 2018