Simon Bihel

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simonbihel.me

github.com/sbihel

SKILLS

Rust Four years of professional experience, including developing libraries, web services, and language bindings.
Infrastructure Experience working on internal infrastructure as well as working in customers' environments.
Digital Identity Four years of experience, including implementing standards and 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 (e.g. California DMV mobile driver's licenses, Utah digital credentials).
- Development: worked on most libraries and services; mostly in Rust but also generated bindings for other languages, and worked on web and mobile apps.
- Standards: participated in the implementation of new standards (e.g. W3C Verifiable Credentials, OID4VC, ISO mDL, Sign-In with Ethereum).
- Infrastructure: single person responsible for it, 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, 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