

Julius de Bruijn

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EDUCATION

Aalto University

Master of Science

Espoo, FI

2006–2011

- Major: “Software Engineering and Business”
- Minor: “Multimedia Technology”
- Dropped out from the university when moved to Berlin in 2011

EXPERIENCE

Prisma (prisma.io)

Software Engineer (Rust)

Berlin, DE

Feb 2019–

- Bootstrapped Prisma from Scala to Rust, bringing the Scala devs up to speed with the new language.
- Wrote big parts of the Rust engines. (code)
- Quaint (code, docs), a query builder and connector library for Rust.
- Tiberius (code, docs), a low level async SQL Server library for Rust.
- Design of multi-schema product. (discovery, proposal)
- PostgreSQL special index types. (proposal, pull request)
- MongoDB schema introspection. (pull request)
- Implementing support for PostgreSQL extensions. (issue)
- Closed a ton of issues, wrote a bunch of documents.

360dialog (www.360dialog.com)

Senior Software Engineer (Rust, Clojure, Scala)

Berlin, DE

Apr 2016–Sep 2018

- Design and implementation of push notification services sending large amount of notifications to Apple’s, Google’s and Web platforms in Rust. (a2, fcm, web-push, xorc-notifications)
- Design and implementation of a RESTful API for campaign management, where customers could upload and transpile campaigns. (xorc-gateway)
- Maintaining and extending an in-house rule engine and virtual machine to execute campaign programs for millions of users. The system allows a custom program to be executed for every user and is written with C++ and Lua.
- Maintaining and extending a code generator to create campaigns for the rule engine to run using Clojure. Handled a complete refactoring of the library and extended it to handle more use cases.

Fyber (www.fyber.com)

Senior Software Engineer (Ruby, Scala)

Berlin, DE

Sep 2011–Mar 2016

- Rewrote several parts of an advertisement service with Scala, including a high traffic tracker service and publisher callback system.
- Designed and Implemented a statistics service and library with ZeroMQ, Ruby and Exasol.
- Part of a core team to build a new backend infrastructure, implementing the ZeroMQ and Ruby based service from scratch.

Different Software Development Positions

Software Engineer (Ruby, C#, Delphi, C++, Python, VBA)

Helsinki, FI

Jun 2006–Sep 2011

- Copanies, such as CPS Color, Sininen meteoriitti, Digia

PROJECTS

- Software reproducibility, using Nix and NixOS on my main desktop, laptop and server operating system. Maintainer of a few Nix packages. (dotfiles, nixos-prisma, nixpkgs)
- Building home automation systems as my pandemic project, and still on that path.
- Hacking with my diabetes, operating an open source artificial pancreas. (AndroidAPS, xDrip)