

Stéphane Bisinger

Software Engineer

CONTACT

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LOCATION

Postal Code & City 8053 Zurich

PROFESSIONAL SKILLS SUMMARY

Backend Development: Python, Ruby on Rails, Node, PostgreSQL, MongoDB, Kubernetes
Frontend Development: Javascript, Vue.js, Vite, Webpack, HTML, CSS
AWS: DynamoDB, Lambda, SQS, Serverless
Agile: Test-Driven Development, Pair Programming, Continuous Delivery

WORK EXPERIENCE

2022-10 TO PRESENT

Scientific Software Engineer:

The KOF Swiss Economic Institute is a forward-looking research institute that analyses economic developments relevant to Switzerland.

- Stabilized and improved processes to import data from external sources. Improved the error reporting and automated the recovery processes.
- Automated deployments of applications and packages by creating shared reusable templates for the Gitlab CI/CD pipelines.
- Moved the infrastructure and the Airflow DAGs to Kubernetes. Switched to an on-demand workload in place of always-on servers.
- Supported researchers and their assistants with development efforts: identifying root causes of errors, identifying bad data, improving code structure and optimizing the performance of the code.
- Improved infrastructure maintenance, monitoring and tooling. Introduced missing tools like a password manager and Prometheus/Grafana.
- Technologies used: R, Kubernetes, MATLAB, Airflow, PostgreSQL, Python, Javascript, Vue, React, PHP

2020-09 TO 2022-09

Senior Software Engineer:

Rentouch develops the piplanning app, which enables SAFe PI planning sessions remotely. It is a whiteboard with stickies that can be synchronized to Jira/Azure DevOps/Rally.

- Developed the frontend applications while creating a library of shared, reusable components documented in a styleguide.
- Added functionalities and optimized existing code in the Python microservices.
- Gradually migrated the messaging system from WAMP to NATS
- Introduced several practices to improve quality and speed of development, like a living styleguide, reusable components and maintainable tests.
- Improved the security of the application. This includes the creation of Proof-of-Concepts to demonstrate the potential issue.
- Helped both business and development side to apply the Pareto principle and release with an incremental approach.
- Introduced concepts and tools to improve the observability of the system. This includes error reporting, automatic tracing and collection of metrics.
- Technologies used: Python, Javascript/Typescript, Vue, Kubernetes, Websockets, PostgreSQL, MongoDB

2020-04 TO 2020-06

Software Crafter:

2018-08 TO 2020-03

Senior Software Engineer:

Homegate is one of the biggest marketplaces for properties and apartments in Switzerland. I was part of the teams reengineering the notification system for new properties and the product display page.

- Guided the team to achieve Continuous Delivery with automated QA, pair programming, fast iterations and complete automation.
- Started the journey to observability through tools like Datadog and Sentry.
- Solved complex and novel problems like Server-Side Rendering and Code Splitting in a serverless context.
- Lead technical decisions in collaboration with the rest of the team.
- Held a course on Webpack for the TX Academy.
- Technologies used: AWS, nodejs, webpack, Vue, NoSQL, Serverless

2018-02 TO 2018-07

Senior Software Engineer:

siroop was an online marketplace for Switzerland

- Worked on the streaming data pipeline for product and price updates from merchants.
- Rewrote the pipeline to process product categories and support internationalization.
- Refactored a Flask API to be able to switch between DynamoDB and Elasticsearch as source for data.
- Wrote an alternative endpoint for product data using RabbitMQ as a source.
- Took a leading role in the analysis, planning and implementation of a product promotion.
- Technologies used: AWS, nodejs, Python, Django, RabbitMQ, NoSQL, PostgreSQL

2016-11 TO 2018-02

Full Stack Developer:

Renuo is a web agency specialized in Ruby on Rails and Angular. Among my duties and accomplishments are:

- The development of a Ruby on Rails and Angular 2 single page application for a big insurance company.
- Taking responsibility for all the servers, reorganizing them and promoting a shift towards a cloud/serverless architecture.
- Training interns and junior developers through pair programming, live coding and presentations.
- Technologies used: Ruby on Rails, Angular, HTML, CSS, PostgreSQL

2015-07 TO 2016-09

Senior Software Engineer:

2013-05 TO 2015-06

Senior Software Engineer:

2006-11 TO 2013-04

Software Engineer:

EDUCATION

2003-09 TO 2010-10

Università di Bologna

- Bachelor: *Computer Science*

LANGUAGES

Italian	Native speaker
French	Native speaker
English	Very fluent
German	Around C1 level

PROFILES

[Github](#) [Gitlab](#)