

Johann Hemmann

Software Engineer in the making. Interested in Rust, Backend architecture and Webassembly.
Additionally, I am trying to be an active part of the civil society.



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EDUCATION

CODE University, Berlin — *B.Sc. Software Engineering*

September 2018 - May 2021

Project-based, interdisciplinary bachelor's program designed to prepare students for the reality of tomorrow's workplace.

Georg-Samuel-Dörffel Gymnasium, Weida — *Abitur (1.7)*

August 2013 - August 2018

SOFTWARE ENGINEERING EXPERIENCE

CODE Library Nextgen — *Rust, REST, Postgres (GitHub)* *Management system for University Library*

September 2020 - current

Access and manage book-corpus, borrow and return books.
RESTful-API ([warp](#)), microservices ([tarpc](#)) and postgres db ([diesel](#)).

Rav1e (GSoc at Mozilla) — *Rust, Webassembly (GitHub)* *The fastest and safest AV1 encoder.*

May - August 2020

Enable the use of rav1e as in-browser video encoder, using [wasm-bindgen](#). ([blog post](#))

Social Record — *Golang, Kafka, Python, AWS EKS (GitHub)* *Distributed Social Media Scraping*

September - December 2019

Expose scraped & analyzed personal information to social media users.
Part of AWS-Better future lab (see [press release](#)).

DevOps Engineer — *Python, Docker, Git/Gitlab* *DFKI Bremen (website)*

June - August 2019

Containerization of currently in development software to simulate and plan robots in manufacturing environments ([project](#)).

EXTRACURRICULAR

Co-founder, Finance, Partnerships *//Slash Initiative (website)*

Oktober 2018 - November 2020

Initiated CODEs 2nd biggest student initiative, which aims to connect the Tech Scene of tomorrow by organizing proactive events.

SOFTWARE ENGINEERING SKILLS

Software Engineering

- Rust (2018)
- Python 3 (Flask, Pandas)
- Datastores (Kafka, Postgres, Redis etc.)

DevOps

- Git/Github
- *nix (Fedora, Ubuntu)
- CI/CD
- OCI-Container, K8s

Other (intermediate skills)

- Typescript React.js
- Golang
- wasm/ wasi

AWARDS

Winner BCX (Bosch Hackathon)

March 2020

Won category „Tech4Climate“ by optimizing industrial processes for the availability of renewable energy. ([Twitter](#), [GitHub](#))

Award for excellent academic achievements

March 2019

I and the other team members of my 2nd semester project “Artificial Life” got honored for outstanding results.

LANGUAGES

German (native)

English (professional)

Russian (elementary)