

EXPERIENCE

Cresta

Software Engineer

Remote

since January 2022

- **Led the front-end development** of Cresta Insights, collaborating closely with design and product management teams to deliver an analytics tool used by thousands of call center managers. My technical execution played a significant role in enhancing the tool's functionality and reliability, contributing to the company's **Annual Recurring Revenue (ARR)**.
- **Led the creation of a scalable end-to-end (E2E) testing infrastructure**, collaborating with cross-functional teams to design a framework capable of supporting comprehensive testing across all B2B customer interfaces. This initiative significantly enhanced product quality and reliability. Currently, I advise the QA team on strategic testing processes, emphasizing **scalability and continuous enhancement** to align with customer needs.
- Implemented and oversaw front-end development for Cresta Opera: Collaborated closely with designers, product managers, and engineering teams on a wide array of features, including the development of a **GenAI-powered wizard** that simplifies the rule creation process for behavior tracking. My work played a crucial role in enhancing the platform's overall self-serve capabilities and accessibility, significantly improving efficiency for call center managers and contributing to the broader success and usability of Cresta Opera.
- **Wrote and published a comprehensive blog post detailing our front-end setup**, making it publicly available on the company's website.
- Used technologies: Node.js, React, TypeScript, Python, Golang, Protocol Buffer, gRPC, Postgres

Senacor Technologies

Software Engineer

Berlin, Germany

October 2020 - December 2021

- **Core member of an agile team**, handling the development of a B2B application for one of Senacor's biggest client in retail banking
- Implemented a **robust newsletter service** that is used for communication between the retail bank and all its partners
- Responsible for the **software- and database design** for a tool that is used by all customer advisers for planning an upcoming fiscal year; most important tool for the client in 2021
- In charge of **replacing a legacy file upload system with a new API** and the migration of over 1 million files
- **Optimized and re-engineered the existing codebase** of the microservice architecture to improve the quality of code and performance
- Collaborated closely with (technical) product owners and team members to **estimate the complexity of future features**
- **Onboarded and mentored new engineers** to help them to come up to speed with development and business knowledge
- Used technologies: Java, TypeScript, Spring Boot, Angular, OpenShift, Postgres

Google Summer of Code

Google Summer of Code participant with API Client Tools at Google

Remote

May - August 2019

- Implemented the open-source tool **gnostic-grpc**: A tool that converts OpenAPI descriptions into a description of a gRPC service that can be used to implement that API using gRPC-JSON Transcoding
- Made major contributions to **gnostic** in order to make an OpenAPI description processable by gnostic-grpc
- Representation of this work at the **API specification conference** in Vancouver by Tim Burks in his workshop
- Wrote a **Medium blog post** that accumulated more than **32000 readers**
- Mentored by **Tim Burks and Noah Dietz**, software engineers at Google
- Used technologies: Golang, Protocol Buffers, gRPC, OpenAPI, envoy

EDUCATION

University of Passau

M. Sc. Computer Science

Passau, Germany

October 2014 - February 2020

- Grade: 1.8 ~ 3.2 (GPA); **top 20%** of 2017 graduation class
- Relevant coursework: Algorithms and Data Structures, Agile Software Development, Computer Networks, Enterprise Software Architecture, Machine Learning, Computer Architecture, Programming in Java, Computer Engineering

Stevens Institute of Technology

Education abroad in M. Sc. Computer Science

New York City, USA

August — December 2018

- 4.0 GPA; **top 3** project in Machine Learning class

SKILLS

- **Languages & Technologies:** Node.js, TypeScript/JavaScript, Python, Java, Golang, Protocol Buffers, HTML/CSS
- **Infrastructure:** AWS, Git, DynamoDB, MySQL, Postgres, Docker
- **Frameworks:** Django, Spring Boot, Angular, Vue.js, GraphQL, gRPC, OpenAPI, Keras, tensorflow