

# Rheisen Dennis, Senior Backend & Full-Stack Engineer

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## Experience

*Languages:* Go, Java, Ruby, SQL, JavaScript / TypeScript, HTML, CSS / SCSS

*Clouds / Frameworks / Technologies:* AWS, DigitalOcean, Kubernetes, Terraform, Docker, Kafka, Flink, NATS, OpenTelemetry, Grafana, Postgres, Timescale, Git, Vim

### **PRINCIPLE SOFTWARE ENGINEER, ABB (January 2025 - Present)**

Architected and implemented 3rd party cloud integration API with horizontal scalability via lease-locking (Go, MQTT, Postgres, Terraform, AWS IoT)

### **SENIOR SOFTWARE ENGINEER, LUMIN (January 2022 - January 2025)**

Developed fine grain authorization model + schema derived code-gen test coverage (Go, OpenFGA)

Implemented caching middleware enabling automatic syncing of IoT data (Go, S3, Fiber)

Created an internal library to abstract eventing/messaging between stream platforms, and internal libraries to homogenize data from device APIs (Go, NATS, MQTT, Kafka, Avro)

### **SOFTWARE ENGINEER, LUMIN (January 2021 - January 2022)**

Architected and implemented data pipeline and micro-services around Apache Kafka handling 5 billion requests per day at the time of writing (Go, Kafka, Postgres, GRPC / Protobuf, Terraform)

Developed CLI / REST API for managing IoT device deployments and IoT device data (Go, Mender)

### **SWE CO-OP & INTERN, WELLFRAME (9 months between January 2019 - August 2021)**

Production full-stack features, platform team (Ruby on Rails, Java Spring, React, PostgreSQL)

Worked directly with CMO and CTO to develop PoC chatbot (Dialog Flow, React, Firebase)

### **SWE CO-OP, LAUNCHBYTE (January 2018 - June 2018)**

Developed multiple (4) web applications and APIs for client startup companies (Ruby on Rails, React)

### **SWE INTERN, CENTER FOR OPEN SCIENCE (May 2017 - August 2017)**

Improved and optimized API tests, reducing test suite run time by over 30% (Python, PyTest)

## Education

### **[AUG 2016 - DEC 2020] NORTHEASTERN UNIVERSITY**

Graduated Bachelor of Science in Computer Science and Entrepreneurship, Khoury College of Computer and Information Science

Honors: University Scholar (top 1% of admitted students), Honors Program

Courses: Accelerated Fundamentals of Computer Science 1 & 2 (Racket / Java), Object Oriented Design (Java), Algorithms and Data, Database Design (MySQL / Postgres), Computer Systems (C), Computer Networks (Rust)

Activities: IDEA venture founder, Scout Developer, Object Oriented Design TA, Intramural Soccer