Katarina Rosiak Software Engineer

✉ contact@katarinarosiak.com   ⚲ Stockholm, Sweden   ⚓ katarinarosiak.com   in katarina-rosiak

Relevant Experience

Co-Creator, Software Engineer, *Seymour* 🔗   2022 – present │ Remote, Sweden

Seymour (seymour-active-monitoring.github.io) 🔗 is an open-source, AWS-native active monitoring solution that allows users to simulate requests from globally distributed locations to test their API endpoints.
- Led research within an active API monitoring domain to guide the design process.
- Improved system reliability by decoupling components using AWS serverless services such as SQS and SNS.
- Implemented event scheduling capability with the use of AWS EventBridge rules and AWS SDK.
- Utilized AWS Lambdas for sending HTTP requests from 22 globally distributed locations to test the responses.
- Developed the full-stack application with React dashboard and RESTful API backend with Express.js which communicates with various AWS services such as RDS, Lambda, or EventBridge.
- Applied unit tests and contributed to Seymour's extensive documentation.
- Authored and presented a comprehensive technical case study (*https://seymour-active-monitoring.github.io/case-study.html* 🔗) describing active monitoring space and justified Seymour's technical decisions.
- Incorporated an Agile approach in collaborating with a remote team of 4 engineers across 4 timezones which included daily standups, weekly sprints, and pair programming.

Full Stack Web Developer, *Self-employed*   2020 – 2022 │ Remote, Sweden
- Worked on several open-source projects:
  - Trelloha: a Kanban-style project management tool (MongoDB, Express, React, Redux, and Axios).
  - Snaggl: a Requestbin clone for testing Webhooks API (React, Nginx, PM2, PostgreSQL, DigitalOcean Droplet).
  - Route Planer: an interactive map for viewing and filtering airline routes (Javascript, React).
- Organized group study sessions, one-on-one tutoring, and educational online events such as Kahoot! Trivia and Escape Room Game for dozens of students learning web development.

Deputy Managing Director, *Green Discovery Laos*   2018 – 2020 │ Vientiane, Laos
- Managed team developing company's new website, introducing new branding, and modernizing sales and payment systems.

Early Childhood Education Teacher,   2011 – 2017 │ Stockholm, Sweden
Bullerbyn Förskola, Lärarförmedlarna
- Planning and implementing educational programs introducing computer programming and modern technologies to young students.

Technical Skills

Backend
Node.js, Express, Go, PostgreSQL, MongoDB, RESTful APIs, SSE, NGINX, Python (previous experience)

Frontend
JavaScript , React, Redux, HTML, CSS, DOM, Bootstrap, Handlebars

Tooling
Git, Github, Docker, Linux, PM2, HTTP, Webhooks

Cloud
AWS: EC2, ECS, Elastic Beanstalk, Lambda, S3, EventBridge, SNS, SQS, CloudWatch; Digital Ocean Droplet, Heroku

Education

Launch School, *Software Engineering* 🔗   2020 – 2022 │ Remote, USA
Multi-year, mastery-based software engineering curriculum, with progression measured and gated by rigorous written exams and live coding interviews to develop problem-solving and technical skills.

College of Computer Science And Skills,   2006 – 2009 │ Lodz, Poland
Early Childhood Education, Bachelor of Arts - BA

Languages

English (full working proficiency) • **Swedish** (full working proficiency) • **Polish** (full working proficiency)