Katarina Rosiak Software Engineer

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Relevant Experience

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

Seymour is an open-source, AWS-native active monitoring solution that allows users to simulate requests from globally distributed locations to test their API endpoints.
- Improved system reliability by decoupling components using AWS serverless services such as SQS and SNS.
- Led research within an active API monitoring domain to guide the design process.
- 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, Amazon Lambda, or Amazon EventBridge.
- 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
- 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).
  - Airlines: 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, Python, PostgreSQL, MongoDB, RESTful APIs, SSE, NGINX

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)