

Samy Rezzag

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Work Experience

SR. SOFTWARE ENGINEER

June 2022 – Present

- Mentored for Target's Technology Leadership Program,
- Modernized complex legacy apps to provide automated, real-time reaction to changes in business rules.
- Developed a dynamic engine rule with stream processing to perform demand forecasting and disaggregation.
- Presented at multiple internal Target conferences regarding supply chain and observability related topics.

LogicMonitor

FULL-STACK SOFTWARE ENGINEER

Jan 2022 – Jun 2022

- Developed two custom Grafana plugin modules leveraging REST and Data Streaming delivery methods.
- Performed professional services consultancy; completed and delivered several client engagements.
- Automated various Solution Engineer workflows, saving hours of manual work per new engagement.

Western National Insurance

SOFTWARE DEVELOPER II

Apr 2020 – Jan 2022

- Created multiple successful proof of concept demos and presentations for new development technologies.
- Introduced Redis, which is now heavily implemented into many existing and new microservices.
- Leveraged Event Driven Architecture designs using Kafka, WebFlux, and Reactive Streams.
- Deployed over 100 microservices to AppDynamics with health rules, alerts, and metric monitoring.

State of Minnesota, Department of Health

JAVA SOFTWARE DEVELOPER

Dec 2019 – Apr 2020

- Provided flexible software support for a dozen custom applications and their end-users.
- Lead cost-conscious development initiatives on GIS, Health, and Pandemic related projects.
- Automated creation of visualization reports, data comparison tools, and other in-demand BI utilities.

Tech Guru

SYSTEM ADMINISTRATOR

Feb 2019 – Dec 2019

- Developed scripts to automate new-user onboarding and increase employee time-tracking accuracy.
- Remotely supported over 100 tenant environments via a wide variety of administrative control panels.
- Lead initiative on the automation of generating runbooks and network discovery documentation.

J. Murphy & Associates

IT MANAGER & WEB DEVELOPER

Jul 2018 – Mar 2019

- Restored website usability and reliability by upgrading codebase from PHP 5.5 to PHP 7.2.
- Performed routine website maintenance, test-driven development, and SEO strategies for nonprofit clients.
- Enhanced existing network security, device performance, and setup automated on-site and cloud backups.

Skills

Programming Languages: Java, Kotlin, Python, HTML, CSS, JavaScript, TypeScript, Groovy, React, Bash
Tools & Frameworks: Spring Framework, Kafka Streams, Redis, Amazon Web Services (AWS), Docker
Observability & Monitoring: AppDynamics, Grafana, LogicMonitor, Micrometer, Prometheus, OpenTelemetry
Databases: Postgres, RocksDB, SQL/Lite, Apache Cassandra, InfluxDB, ElasticSearch

Education

Metro State University

St. Paul, MN

BS IN COMPUTER SCIENCE

2016 – 2020

Roseville Area High School

Roseville, MN

HIGH SCHOOL DIPLOMA

2012 – 2016