Mykolas Viningas

London, UK ✉ m.viningas@gmail.com 🔗 mykolasviningas.github.io 🔗 linkedin.com/in/mykolas-viningas

PROFESSIONAL EXPERIENCE

Software Engineer, *Smartsheet* ↗   08/2023 – present | London, UK/remote
An enterprise work management platform
- Drove end-to-end project delivery, from planning and design to implementation and release, ensuring alignment with business goals and on-time execution
- Executed service deployment in a new region/environment, unblocking dependent teams and accelerating project timelines (AWS, Terraform)
- Improved service observability by implementing user canaries, system alerts, and enhanced monitoring (Go, AWS, Terraform, Datadog)
- Maintained service stability and availability by providing on-call support, debugging, and resolving production issues
- Implemented and optimized CI/CD pipelines (code testing, deployments, infrastructure patching, environment-specific jobs), reducing release friction and improving reliability
- Participated in designing and building a new service from scratch (Go, AWS, Terraform, Datadog)
- Contributed to high engineering standards through code reviews and influencing design/technical decisions
- Collaborated with cross-functional teams to propose and design solutions supporting multiple teams during system migrations
- Supported junior engineers by guiding them through technical challenges and sharing knowledge

Creator, Software Engineer,   01/2023 – 07/2023 | remote
Symphony (symphony-framework.github.io) ↗
An open-source real-time collaboration framework
- Researched and decided on the components to be provisioned, including real-time infrastructure and state convergence
- Implemented preservation of shared application state (document) by checkpointing and storing the documents in binary form to object storage (AWS S3)
- Designed the schema for a PostgreSQL database (AWS RDS) and implemented persistence of server metadata
- Simplified the monitoring and debugging of the system by building a dashboard interface that provides metric data about connections and documents (React, TypeScript, Tailwind)
- Wrote a RESTful API (Node.js/Express) for delivering server metadata to the dashboard client, including live metrics (SSE)
- Abstracted away the backend management by containerizing (Docker, AWS ECR) and moving the architecture from AWS EC2 to AWS ECS deployed in Fargate mode
- Separated concerns by decoupling the backend into individual services for Dashboard and WebSocket clients
- Provided a single point of entry to different services and traffic routing to individual instances of the WebSocket server by configuring an application load balancer (AWS ALB)
- Increased the number of concurrently connected clients handled by the WebSocket service from 240 to 10,000 (40x) by horizontally scaling the WebSocket server using publisher/subscriber model (AWS ElastiCache for Redis) and allowing server-to-server querying for application state (AWS DynamoDB)
- Authored Symphony's case study: symphony-framework.github.io
- Collaborated as part of a remote team of 4 engineers across 2 timezones using Agile workflow

SKILLS

Back end
Go, Node.js, Express, MySQL, NoSQL, RESTful APIs

Front end
JavaScript, TypeScript, React, jQuery, HTML, CSS

Tooling
Git/GitHub, GitLab, Docker, Linux, Bash, Nginx

Cloud
AWS, DigitalOcean Droplets, Heroku

EDUCATION

Launch School ↗   2019 – 2022
A mastery-based study of Software Engineering fundamentals

Royal Academy of Music, University of London   2013 – 2017
Bachelor's degree, Jazz/Jazz studies