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GALEN SCOVELL

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EXPERIENCE

Software Engineer, Infrastructure Services

Dec 2022 - Present

SmartNews • Tokyo, Japan

- Saved \$4K/mo optimizing AB Test service global cache by migrating from ElastiCache to same-cluster Kubernetes Redis with read-through DynamoDB logic.
- Refactored React AB Test portal site, enhancing UX, stability and workflows by addressing user pain-points based on internal survey.
- Achieved 99.9% sub 10ms (p95) and sub 30ms (p99) latency SLO for SpringBoot AB Test service (30M req/d, used by all projects including company primary products).
- Migrated 5 AB Test continuous background tasks from SpringBoot Kubernetes to Flink, enhancing performance with reduced latency, improving monitoring with DataDog, and reducing costs.

Senior Software Engineer

Feb 2020 - Jul 2021

PayScale, Inc • Seattle, WA

- Generated \$40K/mo by implementing paid API with custom policy system for company's highest-traffic service.
- Migrated multiple high-traffic legacy ASP.NET services to scalable Kubernetes .NET Core on Azure AKS with high test coverage.
- Optimized critical profile index build process by migrating to Azure Batch, reducing runtime from multiple days to 8 hours, improving data freshness and customer experience for all products.
- Built FastAPI Kubernetes service matching job details to compensable factors using Data Science ensemble model.

Software Engineer II

Mar 2017 - Feb 2020

PayScale, Inc • Seattle, WA

- Designed & built company's highest-traffic .NET Core AKS service, generating 10M daily reports and powering the majority of company products.
- Created system of Powershell scripted processes and .NET Core services for company-wide data deployment across Octopus Deploy and TeamCity, critically used by all teams and products.
- Implemented ETL pipeline for customer profiles from legacy nested XML SQL blobs to flattened JSON in Snowflake data warehouse, processing 30M profiles per day.

Software Engineer

Dec 2016 - Mar 2017

PayScale, Inc • Seattle, WA

- Modernized ASP.NET monorepo to .NET Core microservices with async architecture.
- Implemented and optimized internal Elasticsearch for 30M monthly queries across products.

Data Science Engineer

Jul 2015 - Dec 2016

PayScale, Inc • Seattle, WA

- Automated core compensation model build process, boosting efficiency over four quarters.
- Developed NLP pipeline for topic & skill extraction from job descriptions, aiding Data Science.

TECHNICAL SKILLS

Languages: C#, Python, Java, JavaScript/TypeScript, Kotlin, Powershell, HTML/CSS, SQL

Frameworks & Libraries: React.js, .NET Core, SpringBoot, FastAPI, Flask, Node.js

Tools: AWS, Azure, Kubernetes, Redis, Git, NoSQL, Linux, Docker, Flink, Unity, Elasticsearch

Concepts: ETL, Agile, Automation, CI/CD, Testing, Web Development, Service Architecture

EDUCATION

Bachelor of Science in Biology, University of Oregon (3.5 GPA)