
work experience

Senior Software Engineer _____ Feb 2020 - July 2021
PayScale, Inc.

- Migrated multiple complex high-traffic legacy services into scalable fully tested Kubernetes .NET Core services on Azure AKS
- Led development of Python FastAPI Kubernetes service for matching job details to compensable factors, utilizing ensemble Data Science models
- Added paid public API access to highest traffic service at company using custom user policy management system, generating \$40,000 per month
- Maintained critical legacy process building profile index store powering all products. Compressed runtime from several days into 8 hour batch process, allowing more frequent runs and improving customer experience with fresher data

Software Engineer II _____ 2017 - 2020
PayScale, Inc.

- Designed and built highest traffic service at the company, generating 10 million compensation reports per day and powering majority of company products
- Created scripted processes for building and deploying all facets of company internal data, critically used by all teams every day for both internal and customer-facing systems
- Mentored junior developers, led sprint meetings, and conducted project planning sessions

Software Engineer I _____ 2016 - 2017
PayScale, Inc.

- Pulled legacy complex and computationally dense service out of ASP.NET monorepo into modern .NET Core cloud-based microservice with async task architecture
- Built processes for maintaining and client for querying internal ElasticSearch serving 30 million queries per month, powering both internal and customer-facing products

Data Science Engineer _____ 2015 - 2016
PayScale, Inc.

- Created cloud NLP feature extraction pipeline for inferring topics and skills from user uploaded job description files to be used by Data Science team
- Led build and release of PayScale's core compensation model for four quarters, compressing complex manual process into automated scripts

technologies and languages

Languages	C#, Python, Java, JavaScript/TypeScript, Scala, Powershell, HTML/CSS
Technologies	Cloud (Azure/AWS), Docker, Kubernetes, Git, .NET, Redis, ElasticSearch, Electron
Concepts	Web Development, Microservices, API Design, Automation, Testing, CI/CD

education

University of Oregon _____ 2015
Bachelor of Science, Biology

interests

Japanese | Running | Reading | Video Games | Board Games | Game Development | Art