

George Thomas

george.thomas.dev@gmail.com
www.linkedin.com/in/georgethomasseattle/
github.com/george42-ctds
github.com/huginandmunin

Software Engineer dedicated to providing scalable, maintainable, high-quality code.

Technical Skills

Python, bash, AWS (Lambda, API gateway, S3, EC2), git, kubernetes, Jira, SQL

Soft Skills

Data analysis, break down complex tasks into smaller components, deep dives into legacy code, comfortable sharing knowledge with peers, able to work with technical and non-technical customers.

Professional Experience

Senior Software Engineer, 2/2022–present, Center for Translational Data Science at the University of Chicago

Maintained back-end code for Gen3 software system, including code updates and dependency management.

Identified and escalated issues and improvements with project managers.

Software Engineer, 3/2010-2/2022, National Alzheimer’s Coordinating Center at the University of Washington

Architected and implemented cloud solutions (Lambda+API Gateway) for components of legacy data collection system.

Streamlined module development by implementing project management methods.

Reduced user burden by chaining systems.

Eliminated manual QA reviews by implementing automated monitoring systems.

Data Manager, 10/2007-9/2009, 3 Tier Environmental Forecasting (now part of Vasala)

Developed customer-specific Python weather-data ingest modules.

Reduced runtime of data ingest modules from 17 minutes to 2 minutes by code refactoring.

Interfaced with external staff at 45 wind farms regarding automated weather-data feeds.

Research Scientist/Engineer, 9/2005-10/2007, Department of Civil Engineering at UW

Developed perl scripts for automated retrieval of weather data.

Implemented daily hydrology forecasting models over North America.

Research Scientist/Engineer, 8/1999-9/2005, Department of Earth and Space Sciences at the University of Washington

Developed C code for earthquake ground motion time-series data analysis.

Implemented MySQL databases for seismograph response characteristics.

Installed digital seismographs in urban and rural locations.

Supervised field crews in physically demanding environments.

Presented scientific findings at conferences.

Education and Certifications

Java Programming, University of Washington

MS, geophysics, University of Washington

BS, physics, University of Washington