Devin Ersoy

linkedin.com/in/devinersoy
dersoy@purdue.edu

Professional Experience

Cloud Development Engineer   **May 2024 - Present**
Philips Hue   *Menlo Park, CA*
- Migrated Google Home integration for Hue integrated smart home devices from NodeJS to Golang, which led to a 30% reduction in latency and 20% reduction in cost.
- Deployed and managed AWS infrastructure for the Google Home integration, including API Gateway, Lambda, Elasticache, Elastic Beanstalk, DynamoDB, Docker, EKS, and CloudWatch resources.

AI Software Engineer   **Jan 2024 - May 2024**
MultiOn AI   *Palo Alto, CA*
- Wrote LiteAgent, a tool for running and stress testing several LLM integrated agents on web tasks in parallel using Python, Playwright, and Docker.
- Created a web test bed which includes seven different web applications for testing LLM agents using NextJS, React/Typescript, Python, and Docker.

Software Engineer Intern   **Jun 2023 - Aug 2023**
Philips Hue   *Menlo Park, CA*
- Engineered Golang Philips Hue Sync Box Alexa Skill integration that has been deployed worldwide.
- Created API Gateway, Lambda, DynamoDB and CloudWatch resources and IAM policies in AWS with Terraform.

Software Engineer   **Aug 2019 - Aug 2022**
WaveFront Analysis   *New York City, NY*
- Managed AWS infrastructure and CI/CD pipelines for application deployment, through Terraform, Docker, and Gitlab CI.
- Developed financial analysis and stock prediction app, integrating React/JS, Python/Flask, PostgreSQL.

Teaching Assistant   **Dec 2019 - Present**
Purdue University   *West Lafayette, IN, USA*
- Supervised students in finding bugs, while explaining complex concepts in an understandable manner in Python, C, Java, and Computer Architecture Courses as Undergraduate Teaching Assistant.
- Created assignments, managed administrative tasks, and mentored students in Software Testing and Software Engineering Courses as Graduate Teaching Assistant.

Projects

Cloud Infrastructure Analytics   **Aug 2023 - Present**
- Disaggregated web application backend from Monolith to Microservices to evaluate performance, cost, and scalability implications.

Education

Master of Science in Computer Science   **Aug 2022 - May 2024**
Purdue University   *West Lafayette, IN, USA*
- GPA: 3.83 / 4.0
- Relevant Courses: Operating Systems, Advanced Algorithms, Software Engineering, Database Systems, Information Security, Cloud Computing, Computer Networks, Software Testing

Bachelor of Science in Computer Science   **Aug 2018 - May 2022**
Purdue University   *West Lafayette, IN, USA*
- GPA: 3.85 / 4.0
- Relevant Courses: Systems Programming, Algorithms, Programming in C, Calculus, Linear Algebra, Statistics, Information Systems, Computer Architecture

Technical Skills

Software Experience: Programming Languages: Assembly, AWS, C, Datadog, Docker, Firebase, Gitlab CI, Go, Java, JavaScript, Linux, MongoDB, Neo4J, NextJS, Python, React, REST, SQL, Terraform, Typescript
Languages: English (Native), Turkish (Fluent), Norwegian (Fluent), German (Basic)