

AYDIN GURSOY

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EXPERIENCE

Chubb

Jan 2025

Infrastructure Engineer Associate

- Deploy and manage **cloud infrastructure** solutions using Microsoft **Azure**, optimizing scalability and performance.
- Automate infrastructure provisioning and configuration using **Python** and Infrastructure-as-Code (IaC) tools like Terraform or Bicep.
- Develop and enhance CI/CD pipelines for efficient **application deployment** and system updates.

Morgan Stanley

Software Engineer Consultant

Jun 2024 - Oct 2024

- Engineered a **self-healing automation** system that monitors and restarts private cloud servers based on real-time Splunk error alerts using **Python**, **NOSQL**, **Sockeye**, and **SQL**, reducing manual intervention by **85%** and improving system uptime by **20%**
- Led **weekly project meetings** with cross-functional teams to review progress, resolve challenges, and align on objectives, ensuring **consistent communication** and **timely milestone completion**.
- Built streamlined deployment processes using **Docker**, **Kubernetes**, **TeamCity**, **SonarQube**, and **CI/CD tools**, achieving a **40%** reduction in deployment times and a **30%** improvement in pipeline efficiency.

Software Engineer & Identity and Access Management Intern

Jan 2024 - Jun 2024

- Architected and implemented comprehensive **backend automation** solutions using Python, enhancing system efficiency, resulting in a **50%** reduction in manual processing time
- Designed and implemented robust Python scripts for **data processing** and **workflow automation**, contributing to a **20%** improvement in overall backend performance and reliability
- Led the implementation and management of comprehensive access control systems, enhancing security protocols and reducing unauthorized access incidents by **35%**

EDUCATION

CUNY - College of Staten Island

Bachelor of Science in Information Systems

Relevant coursework: Data Structures, Database Management Systems, Software Engineering, Network Security and Encryption, Big Data Analytics, Artificial Intelligence, Design and Analysis of algorithms

Year Up

Sep 2023 - Jan 2024

Software Engineer BootCamp

Relevant coursework: Back-End Development, Database Developer, Front-End Development

PROJECTS

AI-Powered Conversational Language App

- Developed a voice-only language learning app in React Native using GPT and Whisper, enabling users to learn entirely through real-time spoken conversation with an AI tutor.
- Integrated speech-to-text, text-to-speech, and NLP feedback to deliver hands-free onboarding, pronunciation correction, and adaptive audio-based lesson flows.

SKILLS

Front End: React, JavaScript, Node.js, CSS, Express, Node, TypeScript

Back End: Python, Java, C++, C#, Go, R, SQL, NOSQL, PostgreSQL, MongoDB, MySQL, .NET

Developer Tools: Docker, Git, npm, Webpack, PagerDuty, RunDeck, Sockeye, Kubernetes, AWS, DataDog