YIGIT ALPARSLAN

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EDUCATION

• Master of Science in Computer Science, Drexel University, Philadelphia, PA, US, **GPA: 3.97**	Sept 2019 - June 2021
• Bachelor of Science in Electrical Engineering, Drexel University, Philadelphia, PA, US, **GPA: 3.97**	Sept 2016 - June 2021
• Bachelor of Science in Computer Engineering, Drexel University, Philadelphia, PA, US, **GPA: 3.97**	Sept 2016 - June 2021

WORK EXPERIENCE

Software Engineer | Microsoft | Redmond, WA (Azure, Microservices, Distributed Systems)   July 2021 - Present

- Constructed telemetry infrastructure for Platform Engineering to ensure 99.999% availability for internal finance platform.
- Finished 38% of the release 2 months before the deadline which reduced the project timeline by 30%.
- Developed monitors that track system health status, measure latencies, detect errors, and monitor telemetry, which has led to 66% faster recoveries from incidents and 15% less defects in production.

STAR Intern | SAP | Newtown Square, PA (Java, Git, SQL, REST API, JavaScript, Microservices)   Apr 2019 - June 2021

- Interned at SAP Multi Cloud Team and saved 5+ million dollars/year by detecting underutilized cloud assets and recommending reservations for overutilized assets through automating internal cloud purchases in AWS, Azure and GCP.
- Interned at SAP Predictive Maintenance Team and developed RESTful API to predict failure modes for customer equipment. Implemented and designed the database schema, REST APIs, concurrency, structured logging, and inter-service communications to serve 10k+ requests per second.
- Interned as DevOps Engineer at SAP Multi Cloud Team and constructed telemetry platform to ensure 99.999% availability on SAP's AliCloud architecture.
- Interned as UI/UX Developer at SAP Talent Acquisition and Branding Team and programmed jobs.sap.com (10 million+ visits/ year) using HTML5, CSS3 and JavaScript.
- Interned as Full-Stack Developer at SAP Center of Expertise and improved interaction counts by 3x for an internal training app (used by 400+ people) by implementing a conversational AI. Delivered a neural network in SAP Cloud Platform to predict SAP cloud customers' churn rate with 86% accuracy.

Outage Analysis Technologies Coop | PJM | Audubon, PA (Python, Bash, SQL)   Apr 2018 - Sept 2018

- Reduced duration for performance testing of in-house applications by 50% via Python and PL/ SQL scripts.
- Implemented automated integration tests using and increased test code coverage by 18%.
- Facilitated SCRUM events by using Confluence/JIRA for quality control and developed design requirements

SKILLS

- Python • Java • Spring Framework • C • Git • Docker • HTML • CSS • JavaScript/TypeScript • NodeJS • React • Vue.js • MySQL
- MongoDB • NoSQL • Jenkins • GraphQL • RabbitMQ • Travis CI/CD • AWS • AliCloud • Azure • GCP • Django • Firebase
- Tableau • Redis

PROJECTS

CodeTernel: Web App (NodeJS, NoSQL, React, Socket.io, Express, MongoDB)   Feb 2022

- Developed an online real-time pair programming and code collaboration platform.

Crypto Squirrels: NEAR MetaBUILD Hackathon (React, Heroku, NEAR Blockchain, NFT)   Feb 2022

- Created a decentralized app on NEAR blockchain to prepare users for tech interviews. Users are verified through NFTs.

Slide Puzzle Hacked: Flutter Puzzle Hackathon (Flutter, Firebase)   Feb 2022

- Implemented a sliding puzzle game for Flutter Puzzle Hack 2022, deployed as website and an Android app at Play Store.

HairLight: Play Store App (TensorFlow, Java)   Jan 2022

- Implemented a machine learning model that can change hair color in real-time under 15ms with 99% accuracy.

apk2aab: Web App (React, Heroku, MongoDB, NoSQL, Express, NodeJS)   Jan 2022

- Implemented a web app that allows users to convert Android Package Kit (APK) files to Android App Bundle (AAB) files.

Medioo: Play Store App (Flutter, Firebase)   Jan 2022

- Developed and shipped a mobile app that allows users to log, filter, visualize and track blood pressure data.

Drive UP: Play Store App (TensorFlow, Java)   July 2020

- Implemented a machine learning model that can detect driver drowsiness in real-time under 80ms with 98% accuracy.