JULIUS PARK

 Julius-park.com   ✉ park.julius@outlook.com   in LinkedIn

SKILLS

Languages	Go, Python, C#, C/C++, JavaScript, SQL, Bash, influxQL
Frameworks	React, Angular, TypeScript, .NET, Gin, PostgreSQL, GraphQL, Kafka, Node.js, Next.js
Tools	AWS S3, EMR, Docker, Git, PostgreSQL, Redis, Nginx, Entity Framework

EXPERIENCE

Software Engineer   July 2023 – Present
ComputerTalk Technologies   *Remote*

- Built a real-time statistics dashboard using agCharts with **TypeScript** and **Angular**, enabling live tracking of 100,000+ statistics and directly contributing to over $2M in generated revenue
- Developed low latency IVR (voice) infrastructure in **C#**, **Redis** enabling concurrency for 10,000+ active calls
- Designed scalable APIs and background workers for managing audio file processing using **.NET**, and **Azure**
- Optimized **SQL** query performance of 1 million+ agent statistics, reducing average time by 5.1 seconds
- Partnered with ML team to launch a chatbot using **Azure Bot Service** and **LUIS**, streamlining PCI audits

Software Engineer   Sept. 2022 – Dec. 2022
OpenText   *Remote*

- Developed microservices to enable modular features in dashboard using **React, GraphQL, SpringBoot**
- Developed **Spark** commands to ingest high volume parquet data into **AWS S3** using EMR (2 mil rows/day)
- Implemented pipeline using the **ELK** stack (Elasticsearch, Logstash, Kibana) to centralize logs

Project Designer   Jan. 2022 – Apr. 2022
Arcadis IBI Group   *Remote*

- Developed CIVIL3D design tool using **.NET** and **ObjectARX** to update grading plans with 20 parameters
- Collaborated with internal LD team to export survey data in AutoCAD, improving design time and services
- Managed communication with subconsultants, coordinated project information transfer, reviewed plans for consistency, and organized documents to meet submission deadlines

Quality Assurance   Sept. 2018 - Dec. 2018
Economical Insurance   *Remote*

- Developed **jasmine** unit test scripts, utilized QTP to improve client address accessibility and vehicle status
- Collaborated with team of developers on the visualization of vehicle trackers in **React** for improved user input
- Improved **PostgreSQL** query speed by 30%, designed models to support imported data from Snowflake data stores

EDUCATION

University of Waterloo   Waterloo, ON
Bachelors of Applied Science Degree - Honours Engineering   Graduated June 2023

- Nov 2017: University of Waterloo Presidents Scholarship
- Nov 2019: Professor. Khaled Soudki Design Competition; Awarded Winning Team
- Relevant Courses: Algorithms, Data Structures, UI/UX, OS, Databases, Image Processing, Networks, A.I., HCI
- **Designed a dynamic traffic control solution for Toronto's congested urban areas**. Using Dynamic Mapping and Resilience-Based Adaptive Traffic Signal Strategy, real-time traffic flow were adjusted per minute to reduce travel time on any time of day. (Python, SQL, Flask). Featured on University of Waterloo 2023's Engineering Showcase. (Rade Solutions).