Maksymilian Drzezdzon

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Education

Bachelor of Science in Software and Network Engineering   08/2015 - 10/2019
    Technological University Dublin - City campus (2:1)

Skills/Glossary

Programming: Java, Python, Swift, C/++/#, JavaScript, TypeScript
DB Technologies: Hibernate, JDBC, MongoDB, PostgreSQL, SQLAlchemy, Node, Realm, SQLite, Firestore
Other Technologies Git, Junit4, Tomcat, Json, XML, Flask, Android, TensorFlow, Keras

Experience

Full Stack Software Engineer
   General Motors   08/2019 - 11/2019
- Architected spring micro-services registered with a eureka server, sprints spread over 2-weeks
- Initiated migration of simple corporate pages to Angular 2+ in a scrum environment with daily stand ups

Network Engineer Intern
   Virgin Media   06/2017 - 12/2017
- Collaborate to overhaul software used to generate configurations for switches and troubleshooting circuit paths
- Authorized with access to the network spanning over of the country, study documentation
- Communicate issues to senior engineers if any action was required such as replace equipment on the field

Projects

Online Book Retailer (Java, Spring, Angular, Swing, HTML5, CSS3, Bootstrap4, Ribbon, PostgreSQL, MVC)
- Developed a Rest Spring boot backend with 4 microservices on Digital Ocean, tested with Postman
- Designed a simple and clean angular front-end to present data, integrated external API for dummy data
- Revamped as Desktop self-check-out alternative following UI/UX best practices, after mediating and negotiating with professor and 2 other students to facilitate moving forward with project mix up

Server Log/Data Analysis Tool (Python, Pandas, PyQt5, Apache HTTP Server, python IPWHOIS)
- Learned Python, Pandas and PyQt5 to prototype a desktop application to parse apache logs
- Utilized Python data structures and a to extract relevant information from a sample of 2000 connections
- Drafted a report to present insights from data, such as ~50% traffic coming from Chinese offices
- Achieved by calculating connections per second from a set of Ip isolated using D&C methodology
- Presented visualization to mediate information to Cyber-sec professor from lab honey-pot logs

IOS Development (Swift, SwiftUI, APIs, SwiftyJson, Alamofire Firebase, Python, Cocoapod, Core data)
- Integrated weather forecast API to create an app with adaptive UI vectors as background images
- Tailored 3 apps with SwiftUI such as HackerNews, To-Do and others with over 300 commits on GitHub
- Implemented 2 Design Patterns such as MVC, Observer and currently learning MVVM among others
- Trained several models, converted and used 3 pretrained AI models for image recognition app
- Composed a camera dictionary app for my grandparents, currently its sufficient to help with shopping

Arduino Bluetooth Car Bot (ASM, C++, Java)
- Delivered a project with a tight work schedule (3 weeks) due to 8-week snow storm delaying parts
- Persuaded professor to go through with project and guided team members with resources to learn
- Co-ordinated a project from beginning to end, spearheaded project to completion after 3 members left
- Demonstrated knowledge of Bluetooth (BLE), Android, Debugging, embedded system programming

Lectured Python in Secondary School (Python, PyGame, Spyder)
- Arranged a weekly lesson in Ardgillan CC in preparation for 3-month coding cert while in school
- Collaborated with collogue and guided 30 students for 7 months, teaching basic concepts with PyGame