James Burke

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Personal Profile

A highly motivated and organised team player, with a keen interest in exploring complex problems. Comfortable working with Python, JavaScript and SQL while also open to learning new technologies to fit a given technology stack. Currently seeking exciting opportunities to develop professionally.

Professional Experience

St Paul's Garda Credit Union **Cork, Ireland**
IT Support Engineer *March 2021 – Sept. 2021*

- Developed Python applications to carry out business processes in combination with the SharePoint API, Mailjet API and Liquidfiles API.
- Developed, tested and maintained Python scripts for server maintenance and management.
- Performed server, PC and application updates throughout the network.
- Managed Active Directory both on an local server and on Azure.
- Developed, tested and maintained a variety of automated reports, scans and deployments using PDQ.
- Provided technical support and training for end users.

Bon Secours Health System Ireland **Cork, Ireland**
Software Development Intern *January 2019 to September 2019*

- Developed, tested, deployed and supported web applications using Java, JavaScript, Spring Boot and T-SQL to provide services for end users.
- Oversaw, performed and tested the migration of a scheduling service to a new job scheduling application.
- Developed and maintained automated jobs on the aforementioned job scheduling service.
- Provided technical support for end users.

Diesel Ireland **Mahon Point, Cork, Ireland**
Assistant Manager / Supervisor / Sales Advisor *November 2014 to September 2018*

- Beginning as a Sales Advisor in 2014 my personal responsibilities centered around providing excellent customer service and maintaining the shop's standard.
- As I took on new roles my responsibilities grew from personal to shop wide. This included but was not limited to the managing of staff members, end-of-day paper-work and financial operations.

Education

BSc Software Development **Munster Technical University**
Awarded September, 2021 *Cork, Ireland*

Technical Expertise

- **Languages:** Python (NumPy, Pandas), JavaScript (D3.js, React)
- **Databases:** SQL
- **Version Control & Continuous Integration:** Git, Jenkins
- **Virtualization & Orchestration:** VMWare, Docker

Personal Projects

- **Counter Strike Stat Tracker:**
  - github.com/jburke234/csgo-stat-tracker
  - A data collection application that gathers user data from the Steam API
  - Work is currently being done to visualize the data in an interactive manner, using D3.js.
  - The collection of data is executed, by Python making REST API calls using user ids scraped from the web.

- **Streaming API Messages:**
  - github.com/jburke234/APIMessageStreaming
  - A simple microservice architecture that uses gRPC message streaming to communicate.
  - The application reads a text file, streams individual words using gRPC, completes statistical analysis in Python and displays the completed analysis on a webpage.
  - The project served as a learning opportunity for Docker and gRPC.