Faris Mektem

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Technical Skills

Programming Languages	Java, C, C++, Rust, Python, PHP, Lua
Web Development	React, Angular, JavaScript, TypeScript, HTML, CSS, RxJS, REST
DevOps	Terraform, Ansible, Docker, Vagrant, Jenkins, Bitbucket
Databases	PostgreSQL, MariaDB, MongoDB, MySQL, SQLite
Linux Tools	git, zsh, unix, vi(m), NFS, SMB/Samba
Project Management	Agile, Scrum, Kanban

Employment & Experience

Amadeus, London | **Software Engineer / Software Developer**   November 2021 - August 2024

- Collaborated in a team of 10+ developers to deliver high-quality software solutions in an Agile environment, contributing to successful releases of key features on schedule.
- Spearheaded development of a new Angular-based web product for airline clients, enhancing customer experience through a user-friendly interface; led design and implementation of UI stages with a team of 4 QAs, ensuring alignment with client requirements.
- Developed back-end services in C++ for essential airline functions, conducting over 50 unit and integration tests in Python on Linux platforms to enhance reliability.
- Delivered timely updates and resolved 20+ bugs for a high-traffic Java-based front end, resulting in a 30% improvement in system stability.
- Coordinated directly with airline clients to validate and customize software for ground operations, achieving a 95% user satisfaction rate in pilot tests at multiple airport locations.
- Contributed as a core member of the 'Disruption' team, handling flight disruption scenarios for 100s of airlines, leveraging both functional and technical expertise to ensure seamless user experiences during critical operational times.

University of Kent, Canterbury | **Tutor Assistant**   January 2020 - March 2020

- Mentored 15+ first-year Computer Science students twice a week, providing support in core programming concepts and helping them resolve homework assignments in subjects like algorithms and data structures.

University of London Officers' Training Corps (ULOTC), Canterbury | **Officer Cadet**   October 2019 - March 2020

- Facilitated operational briefings and debriefs for a team of 20+ personnel, ensuring clear understanding of mission objectives; this clarity contributed to maintaining an operational efficiency rate exceeding 95% under tight timelines.
- Enhanced collaboration and communication skills in a diverse, team-based environment, contributing to a 20% improvement in team productivity during joint operations.

Education

University of Kent, Canterbury | **BSc Computer Science** - 2:1   September 2018 - July 2021

- Introduction and Further Object-Oriented Programming (Grade of 86% and 80% respectively – all coursework)

  Developed a strong foundation in Object-Oriented Programming (OOP), enabling me to design and implement effective, real-world applications. These modules provided in-depth experience in creating scalable and maintainable code while adhering to core OOP principles, such as encapsulation, inheritance, and polymorphism.
- Databases and the Web (Grade of 83% overall - 95% in coursework, 70% in exam)

  Gained practical skills in building dynamic, interactive websites using SQL, JavaScript, and PHP. This module strengthened my ability to design functional and user-focused web applications, integrating back-end databases to create seamless, data-driven experiences.

Interests & Hobbies

- I've setup and maintained a home server system using Proxmox with multiple virtual machines, including TrueNAS for storage, a Debian server with Docker for hosting local services, and my personal website (mektem.com) and Git server.
- Enjoy carpentry projects, building and restoring furniture, and developing woodworking skills through DIY projects.