

# WISSAM ALFURAIJI

Sarasota, FL | Phone: (619) 450 3363 | Email: [wissamkshaan@hotmail.com](mailto:wissamkshaan@hotmail.com) | [LinkedIn Profile](#)

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## SOFTWARE ENGINEER

### DESIGNING | DEVELOPMENT | PROBLEM SOLVING

Computer Science graduate experienced in creating and executing innovative software solutions to enhance business productivity. Knowledgeable in all aspects of the software development lifecycle and scrum models. Hard working, driven, technically astute and someone who will work closely with people.

### CORE COMPETENCIES

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- Data Structures and Algorithms
- Object – Orientated Design (OOD)
- Testing and Debugging
- Agile methodologies
- UX/UI Design
- Cloud Computing

### EDUCATION

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#### General Assembly

#### **Software Engineering Immersive**

January 2024

Full-stack software engineering 24 weeks, 420+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies.

#### National University

September 2022

#### **Master of Science in Computer Science**

### TECHNICAL SKILLS

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**Programming Languages:** JavaScript, Python, HTML, CSS, Java, C++, SQL

**Operating Systems:** Linux, Windows

**Technologies/Tools:** PostgreSQL, MongoDB, Node.js, React.js, Django, RESTful APIs, Jira, Jenkins, Docker, Git, Junit

### RELEVANT PROJECTS

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#### **Food Delivery Application**

General Assembly | October 2023

- Developed a robust and scalable full-stack architecture using Express.js for the server-side and React for the client-side, ensuring a seamless user experience.
- Utilized MongoDB for efficient data storage, enabling real-time management of user profiles, order history, and restaurant inventory.
- Designed and implemented RESTful APIs to facilitate communication between the front-end and back-end.

#### **Android Mobile APP**

National University | December 2022

- Designed dental supplies mobile app for product resource company to enable users to view the product details.
- Created documentation of how to configure and program the app coded with Java.
- Initialized a CI/CD Pipeline using Gitlab and Virtual Environment (VirtualBox Linux machine).

### WORK EXPERIENCE

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#### **Associate Software Engineer**

Naval Information Warfare Center (NIWC)

01/2022 – 08/2023

- Wrote 100+ unit tests to verify the functionality of user interfaces, back-end processing, connectivity, and relational database interactions.
- Provided user requirements analysis and programming support for enhancement of Web application accessed by thousands of soldiers worldwide.
- Built Graphical User Interface for Magnetometer device and improved the detection activity by 45%. Used PyQt5 framework for data visualization.
- Maintained Software Development Life Cycle (SDLC) by Requirements Gathering, Analysis, Debugging, Design, Build, Testing.

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## WORK EXPERIENCE, cont'd.

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### ***Freelance Computer Repair Technician***

01/2019 – 01/2022

Self – Employment

- Installed computers, routers and other hardware components, updated existing systems and troubleshooting problems with hardware.
- Performed diagnostics, isolated problems and fixed electronic hardware parts by testing and exchanging to ensure functionality.
- Provided support for users and guided them to use computer systems correctly.
- Removed malware and viruses from laptops and desktop system using specialized software.

### ***Lead Dental Technician***

02/2014 – 12/2018

32 Dental Arts

- Created Python Scripts to scrap Microsoft Word, Excel and PDF files for archiving and data management.
- Managed Windows 10 operating systems to include troubleshoot, network adapter configurations, hard drive storage and management settings for 5 computers.
- Provided dental services to an average of 15 patients a week focused on dental ceramic restorations design using CEREC CAD/CAM software.
- Utilized iTero Workflow 2.0 Software 3D scanner to provide a simulated outcome of orthodontic treatment.