

Hussein D. Al Aalami

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EDUCATION

- **American University of Beirut – Lebanon** September 2016–June 2020
 - Bachelor of Engineering in **Computer and Communications Engineering**
 - Cumulative GPA: **3.2**
 - Relevant Coursework:
Data Structures and Algorithms, Web Services in the Cloud, Object-Oriented Programming, Computer Networks, Computer Organization, Signals and Systems, Calculus I-IV, General Physics, General Chemistry, Programming languages
- **University of California, Los Angeles – United States** Summer 2018
 - Relevant Coursework:
Advanced Algorithms and Complexity, Engineering Ethics and Writing

SKILLS

- **Programming:**
 - Experience in:
 - **Languages:** Java, SQL, JavaScript, HTML5, CSS, C#, C++
 - **Team Environment:** Git, GitHub, Microsoft DevOps
 - **Frameworks:** ReactJs ,Angular, Logi, Jasper, ASP.NET core, Selenium, Cucumber, bootstrap
 - **Basic Knowledge:** Python, NoSQL, DocumentDB, Microsoft Azure Tables, Amazon AWS, Blob storage
 - **Testing:** Unit and Integration
- **Software:**
 - Visual Studio, Eclipse, JetBrains WebStorm, Jira, Filezilla, sourcesafe, Excel, Word, PowerPoint, Microsoft Teams, Skype, MySQL, MATLAB, LaTeX, ModelSim.
- **Language and Communication:**
 - Native Arabic, Professional English
 - Acknowledged for Leadership and Communication Skills

WORK HISTORY

- **Software Engineer** – JobDiva Inc., Koura/New-York October 2020 – Present
 - Technical frontend lead on a project that requires skills with ReactJS
 - Communicating with clients on a regular basis for troubleshooting and debugging
 - Delivering 7-10 releases per week and handling 1-2 major projects per sprint
 - Reporting to management on a regular basis
 - Enhancing the company's product by identifying opportunities for improvement, making recommendations, and designing and implementing systems.
 - Maintaining and improving existing codebases and peer review code changes.
 - Investigating and using new technologies where relevant
 - Owning a feature in the system where I was responsible of the enhancements and debugging of this feature
 - Developed BI reports and user-friendly editors for clients to use
- **Software Engineer Internship** – MicroTech Solutions, Beirut August 2020 - October 2020
 - Maintained and provided support to projects with Clients.
 - Analyzed project requirements and helped in building roadmap to projects where we discussed the architecture and structure of the project.
- **Software Development Part Time** – Murex, Beirut August 2019 – January 2020
 - Provided technical support and performed a workshop to the employees
 - Created an algorithm to extract all the element IDs from the web page in a dynamic manner to use in the project
 - Converged 170 test scenarios to apply the new algorithm implemented
- **Software Development Internship** - Murex, Beirut June 2019 – August 2019

- Developed a project to produce automatic testing for the ERP system used in the company
- Apply the BDD approach to make non-technical employees write test scenarios in a comprehensive language
- **Software Development Internship** – SAUGO 360, Beirut February 2018- May 2018
 - Worked with ReactJs framework for frontend development
 - Delivered sub-tasks to production in collaboration with frontend team
- **Tutor** – Beirut, Lebanon September 2017 – June 2020
 - Assisted College students excelling their school-work
- **IT Technician** – IT department, AUB February 2017 – May 2017
 - Helped students and AUB staff members with their IT related problems (installing and configuring software, installing drivers, repair equipment)
 - Provided full technical support

PROJECTS

- **Automate Testing Scenarios ~ Murex** Summer 2018
 Create automatic tests that are written in a natural comprehensive language and any non-technical person can generate them, adopting the BDD approach. The tests were for an ERP system to be updated and were deployed on a virtual machine to be run a weekly basis. This project was done by me from A-Z with guidance from a technical manager at Murex
 Responsibilities:
 - Do the research on the new technology and the frameworks needed (selenium and cucumber)
 - Using a web driver automate all user interface actions on a web browser written in Java (using selenium framework)
 - Create the mapping between the java written functions and English vocabulary
 - Create almost 170 test scenarios from all modules in the ERP system
 - Deploy the tests on a virtual machine to be run on a weekly basis
 - Create reports and alerts to people responsible.
- **Back-End chat service Application** Spring 2018
 Basic chat service Application. It was a course project, that was being implemented throughout the semester, with guidance of a former Microsoft Employee.
 Responsibilities:
 - Figure out how the application will be divided into microservices
 - Design the APIs and the backend structure of the application
 - Implemented the controllers that are needed for the backend
 - Azure table storage Development
 - Collaborated with team members using Git and Microsoft Devops
 - Test-driven development
 - Implemented CI/Cd pipelines to deploy to Azure app service
- **E-commerce platform with On-Demand delivery** Spring 2019
 This is my final year project. Our team decided to build an E-commerce platform that has an additional feature which is providing an On-Demand delivery system similar to what Uber provides.
 Responsibilities:
 - Designed the backend service of the platform (API designs, Database schema).
 - Implemented the Card, Shop and User Rest APIs
 - Designed the frontend service (User experience design, visual design)
 - Implemented the page views of each of the controllers I implemented in the backend
 - Test-driven development
 - Agile development
 - Implemented CI/CD pipelines to deploy to Azure app service