Ma'in Ghanem

Software Developer

CAREER OBJECTIVES

I am an ambitious **Software Engineer** with over half a decade of experience who believes in bringing scalable, long term, quick and efficient solutions to businesses. I am an expert in product ideation, and implementation of technical infrastructure and architecture of potentially leading software solutions.

SPECIALIZATIONS

- **TypeScript** (6+ years)
- **React/NextJS ,Vue, Angular, Redux** (6+ years)
- **Dart,Flutter,React Native** (4+ years)
- **Octoparse** (3 years)
- **Zapier** (5+ years)
- **TailWindCSS** (4 years)
- **Quasar** (3 years)
- **Python** (5+ years)
- **Sendgrid** (5+ years)
- **Mailchimp** (4+ years)
- **SEO Optimization** (5+ years)
- **Hubspot/Marketo/Salesforce** (4+ years)
- **C#/.NET** (5+ years)
- **GitConsole** (7+ years)
- **GraphQL** (4+ years)
- **REST API's** (5+years)
- **RPG Maker** (4 years)
- **QA Automation Testing** (5+ years)
- **Unity** (5+ years)
- **UE4/5** (3+ years)
- **NodeJS/NestJS** (6+ years)
- **Html/CSS/JS** (10+ years)
- **SCSS/SASS** (4+ years)
- **Robomotion & Make.com** (5+ years)
- **Oracle/MySQL/DynamoDB/MongoDB** (5+ years)
- **AWS /Google Cloud/XANO /Docker** (4+ years)
- **Pinecone/VectorDB's** (4+ years)
- **PHP Laravel/Symfony** (5+ years)
- **WordPress** (6+ years)

Other Skills :

- **Adobe**: Acrobat, Photoshop, Illustrator, After Effects, InDesign
- **Microsoft**: Office, Visual, Visual Code

WORK SUMMARY

FULL STACK DEVELOPER

B-Ballhoops / August. 2024- present

- **Designed** and developed scalable web applications using C# .NET for backend services and React Native, VueJS, and AngularJS for responsive, dynamic front-ends, ensuring cross-browser compatibility and optimal performance.
- **Implemented** and optimized RESTful APIs and GraphQL endpoints in NodeJS and ExpressJS, facilitating seamless communication between frontend and backend services, and improving data retrieval efficiency.
- **Architected** microservices-based solutions using C# .NET and NodeJS, leveraging Docker and Kubernetes for containerization and orchestration, ensuring high availability and scalable applications.
- **Integrated** and optimized databases such as MySQL, MongoDB, handling large-scale datasets with low latency and high efficiency.
- **Developed** middleware solutions for managing data flows, authentication, and session management, ensuring secure and efficient communication across different application layers.
- **Led** the migration of monolithic applications to microservices architecture, improving resilience, reducing downtime, and enabling independent deployment of services while also implementing serverless functions using AWS Lambda and Azure Functions.
- **Collaborated** on CI/CD pipeline implementation using Jenkins, GitLab CI, and CircleCI, automating testing, deployment, and monitoring processes to ensure faster, more reliable software delivery across multiple environments.

FULL STACK DEVELOPER - TEAM LEAD

ATLAS Tech | Dec. 2022 - August. 2024

- **Led** the full-stack development of a cross-platform app using Flutter, React Native, NodeJS, and Firestore, delivering a seamless user experience on both iOS and Android.
- **Optimized** home and landing pages for SEO and server-side rendering (SSR) using NestJS and NuxtJS, significantly improving page load times and search engine rankings.
- **Designed** and executed targeted email campaigns utilizing JavaScript and services like EmailJS, SendGrid, and SendinBlue, driving higher engagement and conversion rates.
- **Engineered** solutions across diverse tech stacks including MEVN, LAMP, and React-Django-AWS, ensuring the right tools were used for each project's unique needs.
- **Developed** complex frontend features using VueJS with XANO as the backend, enhancing the functionality and user experience of multiple applications.
- **Pioneered** the development of AI-driven tools using small and large language models, semantic databases, and technologies like GPT-4, BARD, Metabase, and Pinecone to build live knowledge bases, intelligent search algorithms, and advanced people identification systems.
- **Led** API development with Firebase Cloud Functions, XANO backend, and Express.js, ensuring robust and scalable integrations within the main application.
- **Built** a dynamic reporting system for clients, leveraging multiple APIs to fetch and display user-specific data with Jinja, HTML, CSS, and vanilla JavaScript for insightful, real-time analytics.
- **Developed** and maintained intelligent web scraping tools that automated data collection and refreshed knowledge bases daily, using Make.com, Zapier, and AWS for seamless operations.

FULL STACK DEVELOPER

Devsu | May. 2022 - Dec. 2022

- **Led** the development of a complex content management system using Symfony and PHP, enhancing site
- **Performed** Web Scraping over a performance and ensuring a scalable architecture for future growth.catalog of thousands of hospital supply products using mainly NodeJS and MongoDB.
- **Worked** with cloud native and micro-services architecture, API economy, IaaS (infrastructure as a service), PaaS (Platform as a Service) and SaaS (Software as a Service).
- **Worked** with and developed RESTful web services.
- **Worked** with Flask Python framework & ORM. As well as MySQL & GraphQL
- **Worked** with multiple CSS frameworks and component libraries , such as TailwindCSS and materialUI & bootstrap 4/5.
- **Developed** and maintained robust web applications using Laravel, ensuring efficient back-end functionality and seamless user experiences.
- **Building** and connecting API's from scratch and connecting them to the existing NodeJS/Express server.
- **Managed** time-sensitive updates, including content changes and database upgrades.
- **Worked** with Python - Django, MySQL, & VueJS stack to develop fresh projects.
- **Worked** with MEVN Stack to build high quality efficient features to an existing project.
- **Developed** and maintained cross-platform mobile applications using React Native, delivering consistent user experiences across iOS and Android.

FRONT-END DEVELOPER / AUTOMATION ENGINEER

RaySolutions | Feb. 2022 - May. 2022

- **Spearheaded** the development of new features for existing projects, utilizing HTML, CSS, Vue.js, React.js, Quasar framework, and JavaScript, as well as leading the refactoring of low-quality code, resulting in a ~25% improvement in performance and responsiveness across applications.
- **Designed** and implemented custom themes for various websites, enhancing user experience and interface consistency. Leveraged CSS pre-processors like SCSS and SASS to streamline and optimize styling processes.
- **Developed** and executed comprehensive automated test suites using Cypress.js, leading to the identification and resolution of critical API and authentication issues. This proactive approach significantly reduced the occurrence of production bugs and improved overall system reliability.
- **Conducted** in-depth security testing and addressed multiple vulnerabilities within existing systems, thereby fortifying application security and ensuring compliance with industry standards.
- **Worked** extensively with state management libraries such as Vuex and Redux, crafting an organized and scalable state management infrastructure that enhanced project maintainability and facilitated component reusability.
- **Architected** and implemented scalable, high-performance mobile applications using Flutter, optimizing code for efficiency and seamless user experience.
- **Demonstrated** proficiency in Laravel's Eloquent ORM for efficient database management, and utilized Symfony's Twig templating engine to create dynamic, reusable templates that streamlined development workflows.
- **Employed** various web scraping frameworks to automate data collection and analysis processes, supporting data-driven decision-making for clients in the social impact sector.

FRONT-END DEVELOPER/ QA AUTOMATION LEAD ENGINEER

Asaltech | April. 2021 - April. 2022

QA:

- **Architected** and implemented scalable automation frameworks using Selenium, Cypress, and Appium, significantly improving the efficiency and reliability of testing processes for both web and mobile applications.
- **Developed**, maintained, and optimized automated test scripts in Java, JavaScript, and Python, leveraging industry-standard testing frameworks such as JUnit, TestNG, and Mocha, ensuring comprehensive test coverage and high reliability.
- **Integrated** automated testing into CI/CD pipelines using Jenkins, GitLab CI, and CircleCI, facilitating continuous testing and rapid feedback, which accelerated development cycles and enhanced software quality.
- **Led** the testing of RESTful and SOAP APIs using Postman, RestAssured, and SoapUI, thoroughly validating the functionality, performance, and security of backend services.
- **Conducted** performance, load, and stress testing using JMeter and LoadRunner, identifying system bottlenecks and ensuring applications could handle high traffic and usage scenarios effectively.
- **Utilized** advanced debugging and troubleshooting techniques, including log analysis and Browser Developer Tools, to identify and resolve root causes of test failures, maintaining the stability and reliability of automated test suites.
- **Collaborated** with cross-functional teams to define testing strategies, ensure alignment with business requirements, and deliver high-quality software products.
- **Mentored** junior QA engineers, sharing best practices in test automation, API testing, and performance testing, fostering a culture of continuous improvement within the team.

Development:

- **Coordinated** with the web development team to design user interfaces for client websites using HTML, JavaScript, and AngularJS
- **Collaborated** with UI/UX designers to implement visually appealing and intuitive user interfaces in lead generation projects, leveraging GraphQL for efficient data retrieval.
- **Create** responsive designs for mobile applications, built wireframes, and developed prototypes for web development projects
- **Worked** with popular Front-End libraries and frameworks , such as ReactJS,VueJS,Redux,VueX, AngularJS, & NextJS
- **Assessed** UX and UI designs for technical feasibility.
- **Standardized** all output with a new, responsive, mobile-first approach and strategy.
- **Implemented** websites, mobile applications, and landing pages from concept through deployment.
- **Worked** with popular data gathering & analysis tools such as : Hubspot,Salesforce,Marketo.
- **Worked** with implementing integrations and efficient solutions using 3rd party tools such as Zapier & other API integrations.
- **Designed** and implemented Email templates using Sendgrid, EmailJS, and a few other services.
- **Worked** with CSS pre-processors such as: SCSS & SASS
- **Refactored** multiple projects to use Typescript
- **Conducted** rigorous unit testing using Jest and Enzyme, ensuring the reliability and stability of the implemented features.

GAME DEVELOPER/ FRONT-END DEVELOPER

Whalla Labs | April. 2018 - April. 2021

- **Created** engaging and interactive 3D and 2D games using Unity and Unreal Engine, implementing realistic physics, animations, and particle effects.
- **Enhanced** game performance by optimizing assets, reducing load times, and utilizing efficient coding practices in Unity and Unreal Engine.
- **Designed** and integrated advanced AI systems for NPC behavior, including pathfinding, decision-making, and state machines, improving gameplay dynamics.
- **Developed** and implemented multiplayer features using Photon Unity Networking (PUN) and Unreal's native networking capabilities to enable seamless online play.
- **Created** custom shaders in Unity (ShaderLab) and Unreal Engine (HLSL) to achieve unique visual effects and improve the visual fidelity of games.
  Managed cross-platform game development and deployment for platforms including PC, consoles, mobile devices, and VR/AR headsets, ensuring consistent performance and user experience.
- **Developed** responsive and dynamic user interfaces using React, Angular, and Vue, ensuring seamless user experiences across different devices and screen sizes.
- **Implemented** state management solutions such as Redux (React), NgRx (Angular), and Vuex (Vue) to efficiently manage application state and improve performance.
- **Leveraged** component-based architecture to create reusable, maintainable, and scalable frontend components, enhancing development efficiency and code quality.
- **Integrated** RESTful APIs and GraphQL services into frontend applications, ensuring smooth data retrieval and manipulation for a seamless user experience.
- **Utilized** testing frameworks such as Jest, Cypress, and Jasmine/Karma to write unit, integration, and end-to-end tests, ensuring high code quality and reliability.
- **Optimized** frontend performance by implementing lazy loading, code splitting, and other best practices to ensure fast load times and smooth interactions.

Mobile Applications/Full Stack Developer

LegacyTech Solutions |Jan. 2015 - April. 2018

- **Developed** responsive and user-friendly web interfaces using HTML, CSS, and JavaScript for various clients in the healthcare and finance sectors.
- **Collaborated** with UX/UI designers to implement visually appealing and intuitive user interfaces.
- **Pioneered** the development of a cross-platform mobile application using React Native with TypeScript, providing a seamless user experience on both iOS and Android platforms.
- **Integrated** API integrations with third-party payment gateways, ensuring secure and seamless transactions for the e-commerce applications.
- **Implemented** push notifications and offline capabilities, enhancing the overall user experience.
- **Designed** and implemented scalable back-end systems using Node.js, Express and TypeScript, optimizing server performance and reducing response times.
- **Implemented** continuous integration and deployment pipelines to streamline the development and release processes.
- **Conducted** thorough testing and debugging to maintain code quality, leveraging Laravel's testing tools and Symfony's PHP Unit framework.
- **Leveraged** GraphQL for optimized data retrieval in the development of a GraphQL-powered analytics dashboard for a finance sector client and MySQL for efficient data storage and retrieval in the development of a MySQL-powered analytics dashboard for another client.
- **Conducted** thorough unit testing using Jest and Enzyme, ensuring the reliability and stability of the developed features.
- **Utilized** PHP Symfony to build scalable, high-performance web solutions, implementing RESTful APIs and integrating third-party services.