Kareem Zok

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SUMMARY

I am a senior software engineer with over 12 years of experience in designing, implementing, and supporting interactive Web & Mobile applications and portals. I am an expert in developing e-commerce, CMS and business intelligence systems. I demonstrated success in leading, motivating and coaching technical teams to achieve results. I am also known as a project-oriented team player with excellent analytical skills.

AREAS OF EXPERTISE

- **Languages**: PHP, Java, JavaScript, CSS3, HTML5, Objective C/ C++, Action Script (AS3)
- **Cloud platforms**: Salesforce, Firebase, Digital Ocean, Google, AWS
- **Frameworks/MVC**: JS (Smart Client, jQuery), CSS (Blueprint, Compass, Bootstrap), PHP (Yii, Laravel)
- **Databases:** MySQL, PostgreSQL, MariaDB, IndexedDB, SQLite, MongoDB
- **Mobile Development**: Android, iOS (*Sociabatt*, HVAC toolkit Android, HVAC toolkit IOS, حقك تعرف)
- **CMS:** Joomla, Drupal, Magento, Wordpress, PrestaShop, PyroCMS, Opencart
- **Integration:** Social (Facebook, Twitter, Google+), Geolocation (Google Maps), CloudFlare, Sendin blue, Sendgrid, Stripe, Paypal, Whm
- **Systems & Software:** IDE (NetBeans, Eclipse, Sublime Text, Dreamweaver), Issue Tracking & PM (Bugzilla, Kunagi, JIRA, Trello, Gitlab), Versioning (SVN, Unfuddle, Gitlab), UI (Adobe Photoshop, Adobe Flash), Communication platform (Slack)
- **Bot API:** Messenger (PHP, MySQL, Google Map, AI)
- **Other:** Search engine optimization, web performance and security
- **Data Science**: Python, R language, SQL queries
- **Analytics & maps tools**: Data Studio, Awesome-table, Carto, ArcGis/Qgis

EXPERIENCE

Project Development lead (Isolutions. Beirut, Lebanon. September 2021 – Present)

- Led a team of 18 developers & helped in developing new tools and apps such as php, laravel, yii2, mysql, mongodb, sass, cloud, angular, nextjs…
- Project Management of 6 internal products for the company (web apps, mobile apps, api and tools)
- Write technical and non-technical documentation
- Monthly reports to the management
- Meet with clients & prepare the SOW, proposal, and solutions
- Draft the development processes and decide on the technology used for the projects
- Lead the scrum meetings and follow-up on the workflow with the team members
- Use Agile Methodology to manage projects (from planning to release/delivery)
- Define project milestones and delegate tasks to team members
- Performing team code checks & review
- Set goals and objectives for the team members
- Resolve any issues that may arise
- Stay up-to-date on the latest technologies and trends
- Create and maintain a positive and productive work environment
- Work with Google Cloud Platform and it's services

Senior Backend Developer (Just Image That. Beirut, Lebanon. January 2021 – August 2021)

- Building Cyber security system using Laravel & AWS - Skysnag.com
- Developing and maintaining a system using php
- Handle and maintain AWS lambda functions using NodeJs
- Built custom multiple Api's to handle Domain SPF, DMARC and DKIM checks
- Implement different Api such as IpData, SendinBlue, Cloudflare, WHM panel, Stripe (Payment gateway)
- Implement caching techniques to improve performance
- Database performance by enhancing SQL queries
- Implement multiple background services (Cron jobs) such as
    - Mapping IP to get name, location & icons
    - SPF manager mapping,
    - Flatten spf record.
    - System notifications alert by email and in the database.
- Generate PDF Reports using php

Information Risk Management Advisor (Mercy Corps. Beirut, Lebanon. September 2020 – December 2020)

- Assist in the development of IRM SOPs
- Assist in drafting short-term and long-term Information Security Strategies
- Conduct IRM checks on potential cybersecurity threats
- Develop and conduct Information Security awareness sessions
- Manage datasets and trackers Generate maps on the ArcGIS program or Google maps.
- Maintain professional confidentiality and discretion over all subject matters.
- Provide the team with Tech Support when needed.
- Build dashboards and analytics tables using Data Studio and Awesome-tables platforms
- Support with/work on Structuring and cleaning any unstructured data required, organizing data using pivot tables
- Implement scripts using python, php, R to clean and manipulate data

Technical Advisor - Software Engineering (Mercy Corps. Beirut, Lebanon. November 2017 – August 2020)

- Provide wireframes and an outline of information architecture and technical system details for the building of an Upgraded website
- Built a complete system using Drupal CMS
- Overall control & server maintenance (Shared, Cloud VPS, Dedicated)
- Handle and maintain large MySQL database
- Publish & maintain dashboards using R language and shiny app platform
- Build dashboards and analytics tables using Data Studio and Awesome-tables platforms
- Integrate data from various back-end services and databases, and ensure that no loss in data and information occur during the transit
- Apply high-end security procedures on data, website and other platforms
- Implement caching techniques to improve web applications performance
- Implement import scripts (batch) & data mapping for more than 3000000 records
- The ability to map various types of data and Integrate different current and upcoming datasets into interactive maps
- Implement maps using arcGIS and carto. Writing Python scripts to export maps and dataset from carto
- Implement different tools used to improve the teamwork process (Import, check keywords and tracking tools)
- Support with/work on Structuring and cleaning any unstructured data required, organizing data using pivot tables

Adviser Software Engineer - Project Manager (Zeesweb. Tripoli, Lebanon. October 2012 – April 2020)

Managing a DevOps Team of 5 persons:

- Writing and Sharing documentation about dev process, tools, etc..
- Scrum meetings and follow-up works for a team of 5 persons
- Using Agile Methodology to Manage projects (from planning to release/delivery)
- Define project milestones and tasks
- Tracking issues and milestones and versioning projects using Gitlab
- Using Slack as a team communication platform
- Performing team code review

Developing Android Apps, Web Applications, CMS :
- Build mobile app using Java & being converted to kotlin currently. It is on Google Play: **_Sociabatt_**
- Responsive HTML5-based Web Site.
- A complex Hub platform using Drupal technology.
- CMS websites using Drupal and WordPress. Check **zeesweb.com**
- Build Accounting & Funding System.
- E-commerce websites using Magento, OpenCart and WordPress
- A University Course timetabling system including the development of an auto-scheduling algorithm.
- Develop backend systems using Yii framework
- Implementing caching techniques to improve the performance of web applications
- Implement enhanced SQL queries to make faster execution (indexing, SQL query technique, etc..)
- Implements core and security updates and techniques
- Implementing SMS Api & others api's such as Facebook, twitter, google ...
- Implements complex and large import scripts for data using PHP language
- Developing Bots (Messenger)

Team Leader (Soft Retail . Tripoli, Lebanon . September 2016 – November 2017)

- On-Site Client Support / Salesforce Consultancy.
- Develop Salesforce Apps (Apex , VF page)
- Implement Salesforce performance & security technique
- Support/help team to achieve their task goals and meet deadlines
- Delegate tasks and set deadlines
- Listen to team members' feedback and resolve any issues or conflicts

Senior Software Engineer (Bluedrop • Beirut, Lebanon/France • July 2014 - August 2016)

- Develop & maintain Web & CMS Application (PHP , framework)
- Develop Drupal modules, and Wordpress plugins
- Work with API (MAiljet , Google , Facebook , Twitter ....)
- Implement caching techniques to improve web applications performance
- Implement core and security updates on CMS such as Drupal & Wordpress
- Implement import scripts (batch) using PHP language for more than 14,000 records
- Ensure best communication with the clients in France, consolidate requirements and share with the project team.

Software Engineer (WEB) (It4businet/SearchandConnect • Tripoli, Lebanon/France • Oct 2011 to April 2014)

Coordinated full range of project development, from initial proposal to final delivery including collecting and analyzing requirements from clients. Establishing activities and communicating them to the virtual team members between Lebanon and France.
Researched and prototyped new Web technologies and techniques to realize benefits of the latest innovations, achieve increased efficiency, and provide highest quality products.
Conducted and analyzed post-project customer and satisfaction surveys.
Developed mainly e-Commerce projects on Drupal (ubercart) & Magento such as:

- ericfavre.com : Pharmaceutical e-Commerce application based on Magento with full UI and backend implementation and online payment.
- https://phytalliance.com : Pharmaceutical e-Commerce application based on Drupal Ubercart.
- https://www.lejardindesfleurs.com/ : Flowers e-Commerce web application based on PrestaShop.

Web Developer (Pious Technologies • Tripoli, Lebanon • Jan 2009 to Oct 2011)

- Develop Web Applications using PHP (Yii) and MySQL.
- Develop JavaScript and Flash-based geolocation modules.
- Develop Integration Middleware Solutions between Web Applications and existing systems such as ERPs and accounting systems.
- Develop Use cases and UML diagrams for the developed systems.
- Develop Test Cases for testing and quality control.

Consultancy and training - Freelance projects:

- June 2017 - Present Trainer and mentor for five junior developers - ZeeSweb staff on full stack development (PHP, CSS, html, JavaScript), Content Management System Training (Wordpress/Drupal), Developing mobile apps long training in Java and Kotlin, Server Administration Training (Cpanel, emails, domains, cron jobs, database, file management)

- September 2017 – E-commerce Website Management training for the employees of Khouza3balat (customized gifts offline and online shop) using OpenCart

- April 2017 – Social Media and website management training for Columbus-lb.com team Wordpress/shopify

- December 2016 – Development and maintenance of Tripoli Entrepreneurs Club platform and voting system using Drupal (Online entrepreneurs hub) Tripolientrepreneurs.org

- September 2016 – Trainer for Intensive Training on "Web Performance and Web Security" for Tragging s.a.r.l junior developers staff

- June 2016 – Trainer for "Web Performance and Web Security" course with the "IT association".

EDUCATION

Masters in Computer Science (Software Engineering) Université Libano-Française • Tripoli, Lebanon • 2010-2012
Bachelors in Computer Science (Telecom & Programming) Instiue Université de Technology • Saida, Lebanon • 2007-2010

CERTIFICATIONS

- **Python Data Science Toolbox (Part 1)**: Continue to build your modern Data Science skills by learning about functions, iterators, and list comprehensions.
  License link: 99b26948a943a04c1e5fe92cf15ea590eb57e46f

- **Basic Problem Solving**: It covers basic topics of Data Structures and Algorithms.
  License link: 2e41e9cd44f9

- **Intermediate Python**: Learn to visualize real data with Matplotlib's functions and get to know new data structures such as the pandas DataFrame.
  License link: a82a28ce4009c7ff702cc5732763c6dd32a99025

- **GIS Data Formats, Design, and Quality**: Go in-depth with common data types (such as raster and vector data), structures, quality, and storage.

License link: [X83RPE724DWQ](#)

- **Fundamental of GIS**: Explore the world of spatial analysis and cartography with geographic information systems (GIS). Learn the basics of the industry's leading software tool, ArcGIS.
  License link: [MLUQMF6AEM6L](#)

- **Introduction to Python**: Discover important data structures like dictionaries and DataFrames, visualize real world data with matplotlib, and learn the art of writing your own Python functions.
  License link: [efe4f5207ec8ce4434adf8c085996b9bad40ca11](#)

- **Identifying Security Vulnerabilities:** Build a foundation of some of the fundamental concepts in secure programming
  License link: [KADMB7BKQ934](#)

- **Data driven decision making in SQL from datacamp :**Use SQL to support decision making. It is based on a case study about an online movie rental company with a database about customer information, movie ratings, background information on actors and more
  Certification link: [2031c1b1e64099b900687415876afbf634b26b18](#)

- **Intermediate in R:** Continue your journey to becoming an R ninja by learning about conditional statements, loops, and vector functions. (Already completed introduction to R)
  Certification link: [49cb5bd2bffd9b73e8a069e7ec6a8b9af58418c0](#)

- **Salesforce courses via trailhead:** Salesforce1 Mobile Basics, Apex Basics & Database, Data management, Data Modeling Badge, Data Security, Process Automation, Reports & Dashboards.

- **Pattern-Oriented Software Architectures**: Programming Mobile Services for Android Handheld Systems , Coursera Verified Certificates,
  License link: [QQMZVZB7KM](#).

- **Programming Mobile Applications** for Android Handheld Systems, Coursera Verified Certificates,
  License link: [3TF7CUNM34](#).

- Cisco Certified Network Associate (CCNA, Cisco Systems INC (2009-2012)

References Available Upon Request