

Ali Kiyan

Contact Info

DATE OF BIRTH:

24 / 08 / 1994

E-MAIL:

alikiyand@gmail.com

TEL:

+447946229886

Linkedin

[linkedin.com/in/ali-kiyan](https://www.linkedin.com/in/ali-kiyan)

Github

github.com/Ali-Kiyan

Web-page

ali-k.co.uk

- **Require Tier 2 Sponsorship to work in the UK.**

- **References available upon request.**

Profile

A full stack web engineer with main focus on Javascript in the back-end and front-end and LAMP stack. Closely worked with the CTO and engineering team at Archangel Imaging on various projects such as Wildlife Conservation (WAMCAM project with Innovate UK), health and safety (project with Network Rail) and property protection (Watchman project with GMV and ESA).

Work Experience

2018-Present

Full stack web engineer Archangel Imaging, Oxford

Designed and implemented scalable database schema for different projects.

Extended the existing RESTful API in PHP and implemented NodeJS RESTful API.

Implemented different services using Docker, NodeJS and expressJS, RabbitMQ(MQTT), Redis, ELK

Migrated the existing front-end (jQuery) to ReactJS

Closely worked with the CTO and AI and machine vision team to provide a unified platform enabling Edge AI.

Education

2017-2018

MSc Databases and Web-based Systems (Distinction), The University of Salford.

Modules:

- *Advanced Database : SQL, Concurrency control, Distributed Database, Temporal Databases, NoSQL (used MongoDB)* **Attained 83.5%**
- *Semantic Web & Information Extraction : XML, RDF, RDFA, SPARQL, OCR* **Attained 79.4%**
- *Applied Statistics & Data Mining : Machine Learning (used R programming language), Text Mining (used SAS enterprise miner)* **Attained 77.0%**
- *Web-Based Software Development (ASP.NET 4.5 and C#, MVC PHP, Mysql)* **Attained 90.0%**

2012-2016

Bachelor of Computer Engineering, Azad University of Tehran

First year: Object Oriented programming (C++), Networking fundamentals, Statistics

Second year: Discrete Mathematics, Assembly language, Data structure, Designing Logical circuit

Third year: Computer Architecture, Designing Algorithms, Automata theory, Storage and Retrieval of data, Microprocessors (AT mega family), Operating system (Kernel, Scheduling, Concurrency control, Paging) Artificial Intelligence

Forth Year: Database Design (Database design, SQL), Compiler Design, Network Design (OSI, TCP/IP), Multimedia Environments, Software engineering concepts (Designing UML, ER, LDM Diagrams), Computer Graphics (OpenGL library)

Attained 83.05% (16.61 out of 20)

2008-2011

Diploma of Mathematics and Physics, Parsayan High school
GPA: 18.95 out of 20 (94.75%)

Technical skills

- Knowledge of Object Oriented Programming,
- Familiarity with Functional Programming
- Knowledge of Design Patterns like Singleton and Design Principles such as MVC and SOLID
- Working knowledge of advanced Javascript concepts (ES6+)
- Working knowledge of Docker
- Familiar with Continuous Integration with GitLab Runner
- Working knowledge of Designing and implementing database schema (UML, ER, LDM)
- Advance knowledge of SQL
- Knowledge of NoSQL databases such MongoDB and familiarity with Firebase
- Knowledge of HTML5 ,CSS3, and UI frameworks such as Bootstrap and familiarity with Responsive design
- Knowledge of PHP (Object Oriented and Procedural, PSRs)
- Familiarity with Elasticsearch, Logstash, Kibana (ELK)
- Worked with MQTT protocol to manage IoT sensors.
- Familiar with unit testing and integration testing with Jest
- Familiarity with Python
- Familiarity with C++
- Comfortable working with Terminal on *nix environment
- Knowledge of NodeJS and ExpressJS
- Knowledge of ReactJS,
- Familiarity with Redux and Webpack
- Knowledge of version controlling with Git and GitHub/GitLab platform.
- Implemented RESTful APIs, AJAX and web sockets.
- Knowledge of web security concerns such as XSS, SQL Injection and CSRF.
- Familiarity with Agile and Scrum methodologies (Clubhouse project management platform)

Awards

Masters Degree with Distinction, University of Salford
Vice-Chancellor's Excellence Scholarship, University of Salford

Projects

- jobWizard
PHP MVC, MySQL, Mapbox, Chart.js, GSAP, CURL. <https://job-wizard.herokuapp.com>
- Football React App
ReactJS, Firebase, D3JS, Material-UI <https://football-app-99d17.firebaseio.com>
- TravelMate
PHP MVC, MySQL Database <https://travel-mate.herokuapp.com>
- LaraMedia
Media management app based on Laravel framework <https://laramedia.herokuapp.com>
- Green Environment version 1.0
AngularJS (version 1) Firebase Web App <https://geapp.firebaseio.com>
- CampJS
expressJS, NodeJS, MongoDB (NoSQL) <https://campjs.herokuapp.com>

For more information about each project visit www.ali-k.co.uk