

# Ali Kiyan

## Contact Info

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24 / 08 / 1994

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Web-page

[ali-k.co.uk](http://ali-k.co.uk)

## Profile

A full stack web engineer with main focus on LAMP stack and Javascript in the back-end and front-end. Closely worked the CTO and AI development team at a startup in Harwell Campus, a science and technology hub in Oxford, working on various projects such as Wildlife Conservation, health and safety, property protection, etc.

- Need Tier 2 Sponsorship to work in the UK.

- References available upon request.

## Work Experience

2018-2019

**Full stack web engineer** Archangel Imaging, Oxford

Designed and implemented Databases and multiple user interfaces using mainstream front-end technologies for multiple projects.

Closely Worked with the CTO and AI and machine vision team to provide a unified platform for end users to interact.

Used various technologies such as Python, NodeJS, different message broker, Redis, ELK stack and Docker for containerising multiple services.

## 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 ( MongoDB ) **Attained 83.5%**
- Semantic Web & Information Extraction : **Attained 79.4%**  
XML, RDF, RDFA, SPARQL, OCR **Attained 77.0%**
- Applied Statistics & Data Mining : **Attained 90.0%**  
Machine Learning, Text Mining, R, SAS
- Web-Based Software Development

2012-2016

**Bachelor of Computer Engineering**, Azad University of Tehran

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

**Second year:** Advanced object oriented programming, 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), Operation system (Kernel, Scheduling, Concurrency control, Paging) Artificial Intelligence

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

**Attained 83.05% ( 16.61 out of 20 )**

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## Technical Skills

- Knowledge of Object Oriented, Procedural, and Functional Programming and familiarity with Design patterns and Design Principles such as MVC and SOLID
- Advanced Javascript concepts (ES6+)
- Working Knowledge of Docker (operating-system-level virtualisation)
- Designed database schema for multiple projects and knowledge of diagrams (UML, ER, LDM)
- Built and maintained containerised microservices with Python and NodeJS using Docker.
- Advance knowledge of SQL and working with SQL Server database, its language T-SQL and Mysql
- Knowledge of NoSQL databases such MongoDB and Firebase
- Knowledge of HTML5, CSS3, and UI frameworks such as Bootstrap and familiarity with Responsive design
- Knowledge of PHP (Object Oriented and Procedural, PSRs, and composer)
- Handled logs from multiple resources using Elasticsearch, Logstash, Kibana
- Worked with MQTT protocol to manage IoT sensors.
- Familiarity with Python
- Familiarity with C++
- Comfortable working with Terminal on \*nix environment
- Knowledge of NodeJS and ExpressJS
- Used third party libraries (when it is needed) using pip, npm, composer.
- Working Knowledge of version controlling with Git and Git Hub/Lab platform.
- Familiarity with RESTful APIs, AJAX and web sockets.
- Familiar with web security concerns such as XSS, SQL injection and CSRF.
- Familiarity with Agile and Scrum methodologies (Clubhouse project management platform)

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## Awards

**Masters Degree with Distinction, University of Salford**

**Vice-Chancellor's Excellence Scholarship, University of Salford**

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## Projects

- jobWizard  
PHP MVC, MySQL, Mapbox, Chart.js, GSAP, CURL. <https://job-wizard.herokuapp.com>
- TravelMate  
PHP MVC, MySQL Database <https://travel--mate.herokuapp.com>
- LaraMedia  
It is based on Laravel framework <https://laramedia.herokuapp.com>
- Green Environment version 1.0  
AngularJS (version 1) Firebase Web App <https://geapp.firebaseio.com>
- CampJS  
Express App with nodeJS on the server and MongoDB (NoSQL) <https://campjs.herokuapp.com>