

# Mohammad Faizal.Z

I started writing code in my college days. My view towards programming completely changed after learning python. The language provides me an elegant and concise syntax to express my solutions to complex problems. I like to build tools which simplify the workflow and process.

## Contact

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**Residence:** Dubai, UAE

## Experience

### Senior Software Engineer - Kestrel Systems, Dubai UAE (January 2014 - Present)

#### Custom CRM/ERP

- Developed Custom CRM/ERP for the client named Valtek Sulamericana, Valve Manufacturing Company, Dubai.
- Developed reliable backend for Custom CRM/ERP from scratch using Python, Django, Postgresql
- Implemented RESTful API for backend using Django REST Framework and Flask
- Automated Deployment using Fabric and Docker
- Build Awesome UI using Angular JS, React JS, Vanilla JS, Modular CSS and HTML
- Automated all technical workflows like PDM(Part Data Management), MR (Material Requisition), Inventory Management, Sales Management using Agile Software Development Practice and implemented using Django, Python.
- Managing Linux VPS server for CRM/ERP systems used by more than 600 people in the client site.
- Used technologies like Nginx, Unicorn, RabbitMQ, Redis, Celery in Production server
- Build automated Reports using D3.js and Python.
- Implemented sales tracking systems in Vanilla JS using Mapbox and Google Maps API

#### Custom Accounting Software

- Developed Custom Accounting system like Xero for the client named Valtek Sulamericana, Valve Manufacturing Company, Dubai.
- Implemented the highly scalable backend using Python, Django, Celery, RabbitMQ, Redis
- Integrate the all account modules with existing custom ERP using RESTful API (Django DRF)

#### HCAP - Custom HR Software

- Developed Human Resource Management (HCAP) software from scratch using Python, Django, Celery, RabbitMQ, Redis, ElasticSearch.
- Automated all workflow like employee leave application and verification process, worksheet management, Document Tracker, Leave and Gravity Tracker, job activity management, etc using Python, Django, AngularJS, Celery, RabbitMQ

- Automated Payroll management using Python and Django and integrate payroll process with HSBC Site
- Worked on Native IOS Application built using Swift for tracking inhouse sales employees.

#### **Custom Recruitment Portal**

- Developed custom recruitment portal and integrate with existing HCAP HR Software using Python, Django, Celery, RabbitMQ, Unicorn, Nginx.
- Build responsive frontend using ReactJS, Vanilla JS, HTML.
- Automated all recruitment workflow like screening, shortlisting and hiring process

#### **Online Food Ordering System**

- Developed online food ordering system for the client named Rossovivo, Dubai
- Build online food ordering system using Python, Django, Django REST Framework.
- Implement online payment using payfort and integrated it with their legacy POS using custom linux machine at site.
- Build Single Page Application using ReactJS, Webpack.
- Worked on Native IOS Application built using Swift and integrate with Custom REST API using Django REST Framework

#### **Full Stack Developer - iThoughtz Technologies, Chennai, India (July 2011 - December 2013)**

- Worked on India's leading stock fundamental research/analysis platform (<http://www.equityboss.com>) built using Python, Django, MongoDB, TastyPie Framework
- Build Custom UI using Modular CSS, HTML, Angular JS for Equityboss Frontend
- Developed RESTful apis using for TastyPie and Django REST Framework for stock search module
- Developed custom algorithms for equityboss stock rating using Python and Django
- Developed scalable background jobs using Celery (Python) and RabbitMQ to fetch Stock details from stock data provider endpoints

## **Technical Skills**

**Languages:** Python, Swift, Javascript, Golang  
**Frameworks:** Django, Django REST Framework, Celery, Angular JS, React JS, JQuery  
**Database:** Postgresql, MongoDB  
**Technologies:** Elasticsearch, RabbitMQ, Redis, Nginx, Unicorn  
**Deployment** Fabric, Docker  
**Tools:**  
**OS:** GNU/Linux, Windows, Mac OS  
**Tools:** Sublime Text, Linux Shell, Linux Command Line, Xcode  
**Version** GIT  
**Control:**

## **Education**

B.E in Computer Science (2007-2011)  
 MIET Engineering College, Trichy  
 Anna Univeristy, Chennai, India

## Others

- Experience in using Git version control system.
- Experience working with frontend frameworks like AngularJS , React JS and JQuery implementing dynamic frontend interfaces and SPAs.
- Experience in managing vpc servers in DigitalOcean, AWS
- Experience in automating deployment using fabric and git
- Few contributions to some opensource django apps like junction
- Good knowledge in Gnu/Linux and linux commadlines and shell.
- Uses Sublime Text/Zsh for development.
- Experience in deployment applications using Docker