

HAMZA AHMED QURESHI

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Objective

To use my experience, gained from working as a web developer for a year as well as through developing multiple android applications, to flourish in a company which provides an environment for growth. To develop applications by writing generic and expandable code using expertise acquired through contribution to codebase of multiple enterprise level applications. To work in a team or as an individual through utilization of collaboration, cooperation and leadership skills obtained while working in different environments of startup, industry and freelance.

Project Highlights

ILAS – Android

Centegy Technologies Pvt. Ltd

Technical aspects of application:

Web Server: REST API, MVC framework, Java, Oracle DB

Android Client: Volley framework, MySQL

- Solely created the whole REST API from scratch to migrate the ILAS web application (see below) to android devices.
- Upgraded the backend service so the same Models and Controllers can serve both the web application views and Android application views (through REST API endpoints)
- Actively took part in android development outside my assigned role since due to project deadline.

ILAS

Centegy Technologies Pvt. Ltd

Technical aspects of application: MVC framework, Oracle DB, SQL Server, Java, JSP, HttpServlets, JavaScript, JQuery, JSTL, HTML, CSS

- Worked in a team of five to create the “**Individual life administration system**” to facilitate the information gathering process and to automate the process of creating an insurance quote.
- This application reduced the paper work for the insurance firms and sped up the process by multiple folds; completing calculations in minutes which usually took days of manual work.
- My work included but was not limited to development of web forms for collection of data (major module) and writing of code for automated reports

GIAS (Group life module)

Centegy Technologies Pvt. Ltd

Technical details: Oracle DB, Java, JSP, Scriptlets, HttpServlets, HTML, CSS

- “**General insurance and administration**” enterprise application is currently deployed on 30 insurance companies worldwide.
- I worked on the “**Group life**” module of the application in a team of only three developers and brought the big module online in a 2 months frame while concurrently working on my other projects.
- I also provided support to clients after delivery of module

SPROJ (Senior year project)

LUMS

Technical details: Java (web), Android, MySQL, Google Maps API

- Created an automated “**Garbage collection system**” which allowed dynamic processing of requests.
- Created a client android application through which client could request the garbage service.
- Implemented the most efficient path algorithm with multiple vehicles and multiple depots to make the garbage collection cost effective and time effective.

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Android Applications

Freelance

Technical details: Java, Android Studio, Open source libraries, MVC framework and SQLite Databases

- Developed two applications, Laundrom8 and RareForm, for two different international clients and currently working on a third one
- Laundrom8 is a laundry service solution which seeks to reduce the hassle of doing laundry and Rareform is an interface created for a doctor through which he can communicate with his patients.
- I am passionate about having my name associated with innovative technologies and therefore have been working on two personal projects (android applications) as well – GCE MCQs helper & FeedMe.
- GCE MCQs helper helps prepare students for MCQ based exams from GCE (General Certificate of Education) and FeedMe aims to bring restaurants together on one portal based on type of food choices
- GCE MCQs helper is under testing phase whereas FeedMe is under development

Technical Skills

Languages & Frameworks used:

In depth: Java, JavaScript, JQuery, HTML, CSS, C++, MATLAB, Bootstrap, Jekyll, Wordpress,

As a hobby: CodeIgniter, Magento, PHP, OpenGL, Node.js, React Native

Platforms: Web, Android, Windows, Linux

Software and IDEs: IntelliJ Idea, Eclipse, Microsoft Visual Studio, Android Studio, Toad, DataGrip, Adobe Photoshop, Adobe Illustrator, Coral Draw, Cyberlink Power Director

Databases used: MySQL, SQLite, Oracle DB, Redis

Version Control: TortoiseCVS, Git

Research and Professional Experience

Freelance Android/Web Developer

January 2016 – Present

- Started freelancing for local and international clients.
- Have developed and shipped two successful android applications.
- Currently working on a third application which is moving towards completion

Analyst Programmer, Centegy Technologies Pvt. Ltd, Karachi, Pakistan

September 2015 – August 2016

- Worked at one of the top firms in the industry
- Worked on multiple enterprise level Java applications.
- Learned about software industry practices and specifications.
- Worked on enhancement of live applications.

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Co-Founder, Lookout360, Lahore, Pakistan

Oct 2013 – May 2015

- A web and mobile civic application inspired from the idea of neighborhood watch provides a simple interface to the public for reporting instances of crime.
- Lookout360 was conceived during Hackathon 2013 hosted by MIT Enterprise Forum and won the best startup award along with \$3000 seed funding.
- I designed the web application – backend and partial frontend - from scratch, secured partnerships with NGOs and integrated with rescue services to allow immediate action on the crime reports.

Research Assistant, LUMS, Lahore, Pakistan

June 2014 – August 2014

- Worked as a student research assistant in the Computer Vision department.
- The project was “2D Human Pose Estimation and Tracking in Non-overlapping Cameras”.
- I built the whole module of depth and lens correction using a DSLR and Microsoft Kinect.

Education

B.S. Computer Science

August 2011 – May 2015

- **Lahore University of Management Sciences (LUMS)**, Lahore, Pakistan

- Focus towards computer graphics, computer vision and human computer interaction.
- Completed various projects in multiple programming languages

Non – Technical Skills

- Intellectual Curiosity
- Openness to new experiences and technologies
- Persistence
- Project Management and leadership
- UX/UI designing
- Film making and Photo Editing
- 5+ year experience in graphic designing in Photoshop
- Trekking and exploration
- Visit hamza1592.github.io for a more detailed CV