
About

Software Engineer with a strong interest in mobile and web development. I am always working on new projects with a passion to explore software technologies. My experience includes, but not limited to, web development, Android development, and quality assurance.

Education

BASc in Software Engineering with Engineering Management
University of Ottawa

September 2012 to April 2016

Summary

- Published 4 Android Applications on Playstore
- Developed mobile payments application for Telepin Software
- Designed secure database systems
- Developed a file transfer system over LAN
- Full Stack Developer
- Entrepreneurial, started TutorStaff and Parkin
- Developed Android Application with 41000+ downloads
- Developed a Radio Station Application
- Automated scripts for testing apps, Web front and back end
- Tutored for Java

Areas of Expertise

- Languages: Java, Android, Ruby, C, C++, Python, JavaScript, Expect
- Frameworks: Ruby on Rails, Bootstrap, Dropwizard, Ionic, PhoneGap/Cordova, FreeMarker, iText, Node, libGDX
- IDE: Eclipse, Sublime, Android Studio, Netbeans, IntelliJ, pgAdmin, SQL Developer
- Databases: PostgreSQL, Oracle SQL, MySQL
- Frontend: HTML, CSS, AngularJS, ReactJS, KnockoutJS, d3
- Backend: Java and Ruby
- OS: Linux (ubuntu, red hat, Tiny Core) and Windows

Professional Experience

Software Engineer
Paymentus, Toronto

May 2016 to Present

- Develop payment solutions for a variety of clients
- Customized billing, notifications, scheduled payments etc.
- Develop and maintain different portals, for end users and agents
- Technologies user: Java, Spring, Javascript, FreeMarker, HTML, CSS, Amazon S3, Oracle DB, Tomcat

Full Stack Developer
Agile Governance Services, Toronto

March 2016 to Present

- Design and develop pricetaxportal.org
- Devise technical requirements
- Built from scratch
- Technologies used: Ruby on Rails, PostgreSQL, Javascript, CSS, HTML, Bootstrap, Vagrant, Amazon S3

Cloud Developer
Clearwater Clinical, Ottawa

September 2015 to April 2016

- Develop innovative mobile medical solutions
- Work with Amazon Web Services, S3
- Build RESTful API and web portal
- Automated testing
- Technologies used: Java, Dropwizard, ReactJS, Bootstrap, d3, FreeMarker, Node, Amazon S3, HTML, CSS

Mobile Application Developer
Telepin Software, Ottawa

January 2015 to April 2015

- Developed android and cross-platform mobile application for mobile payments
- Designed 3 tier architecture server
- Automated scripts for Testing Android, web applications, and USSD menus
- Wrote documentation on Confluence for technical and non-technical personnel
- Atlassian Jira used for issue tracking
- Technologies used: Java, Android, PhoneGap, Ionic, Node, Oracle SQL, Except, HTML, CSS, AngularJS, Bootstrap

Android Application Developer
Self-Employed, Ottawa

January 2013 to Present

- Create user friendly, and efficient applications
- Developed 40 Rabbana Duas (41000+ downloads)
- Developed Escape (700+ downloads)
- Developed Line Maze, One Ayah a Day (150+ downloads)
- Playstore developer name: [zaid.qureshi](#)
- Technologies used: Android, Java, libGDX, facebook API

Computer Science Tutor
Self-Employed, Ottawa

January 2013 to Present

- Helped students understand basic and advanced programming concepts
- Came up with exercises for the students
- Provided efficient solutions for the problems students face
- Technologies Tutored: Java, C, Python

Academic Director
Software Engineering Student Association, uOttawa

September 2014 to October 2015

- Helped students with problems in their courses
- Helped arrange tech-talks
- Provided students with exercises to help improve their programming skills

IT Specialist Intern
Wiconnect Corp., Toronto

June 2013 to July 2013

- Provided IT support remotely to clients, at client locations
- Repaired or replaced different parts in laptops or desktops
- Finished tasks within given time period, satisfied client needs
- Assist IT specialists with their tasks

Concepts

Analysis and Design of User Interfaces

- Knowledge of evaluating user interfaces, usability engineering, task analysis
- Experience in user-centered design and prototyping.

Design and Analysis of Algorithms

- Analysis of algorithms: worst-case analysis, complexity analysis, asymptotic notations and basic complexity classes
- Algorithm design techniques: brute force, divide and conquer, dynamic programming, greedy, backtracking
- Computational complexity of problems: lower bound arguments, the classes P, NP, NP-complete, dealing with NP-complete problems

Data Structures:

- Advanced knowledge of balanced trees, binary-trees, hashing
- Practiced sorting of Graphs and simple graph algorithms: traversal, minimum spanning tree
- Worked with java collections library such as linkedlists iterators etc
- Performed analysis of recursive programs using recurrence relations
- Studied properties of integers and basic cryptographical applications