Adil **Khan**

SOFTWARE CRAFTSMAN · WEB · MOBILE · ENTERPRISE

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"The road to mastery is best traveled on together."

Summary

I am a passionate full stack developer who enjoys the challenge of building software solutions that provide a quality experience for the user. I strongly believe that software development is a craft that can only be mastered with personal commitment and the support of a dedicated community. I have worked in small and large teams across a variety of technologies and have learnt that while technology stacks come and go; it is the quality of the processes that determines successful outcomes. I love learning and teaching. I enjoy mentoring and being mentored. I look forward each day to building something great.

Work Experience

Construct Connect   *Cincinnati, OH*

SR. SOFTWARE ENGINEER   *Jul. 2017 - PRESENT*

- Specializing in front end developemt using React/Redux/Express stack interfacing with legacy .NET back end.
- Supported Infrastructure enhancements such as webpback/babel upgrades. Along with issues in CI build process in Teamcity
- Developed multiple features on the existing application driven by backlog over multiple sprints.
- Developed a fork of https://github.com/flickr/yakbak to facilitate front end development without the need to depend on a running backend which was significantly hampering development efforts.
- Conducted code reviews for team members in Cincinnati as well as remotely in Atlanta and Chicago.

Pomiet, LLC.   *Miamisburg, OH*

SOFTWARE DEVELOPER   *Mar. 2014 - May. 2017*

- Implemented Ruby on Rails Api Server to Support Emberjs front end (mobile ready) for customer portal in healthcare sector.
- Implemented Meteor.js front end with Rails api bridge for a fully reactive/real-time updated patient management portal.
- Supported existing patient enrollment portal Rails application and implemented features to make application mobile ready.
- Wrote automated acceptance tests to reduce manual testing burden on SQAs. Implemented deployment scripts to easily deploy application to cloud infrastructure as well as client.
- All projects were built applying TDD discipline. Also applied Devops standards of continuous integration using tools such as *Chef*, *Teamcity*, *Cucumber* (Automated System Testing). Applied standard industry best practices of *Git Flow* to manage code commits, code reviews and merge conflicts; thereby ensuring continuous deployment. Successfully delivered the project on time in a fast paced, agile environment in consistent sprints.
- Engaged with team members in regular discussions on best practices, continuous improvement and other software craftsmanship topics.

Cincinnati Children's Hospital Research Foundation   *Cincinnati, OH*

SR. APPLICATION DEVELOPER   *Mar. 2008 - Feb. 2014*

- Developed web front end for i2b2 data warehouse (i2b2.org). Worked with Java server faces (JSF/Richfaces) in front end and JBOSS application server in back end. Transport layer built using JAXB/XML messaging.
- Developed BIRT and AmChart based reports for the i2b2 warehousing platform. Application was utilized at Children's Hospital as well as partner sites.
- Developed REST (JAX-RS) endpoints to interface with Django/Python messaging service to support mobile applications.
- Given the nature of a research facility a lot of projects were approached with inexact specs. Solutions were built with flexible architecture to enable rapid changes and flexibility.

Comair   *Hebron, KY*

CONSULTANT   *Sep. 2005 - Mar. 2008*

- Java developer on a team that implemented a SOA and ESB to interface with legacy system. Worked with Weblogic/Oracle architect on migrating legacy applications to the new infrastructure. Examples include refactoring applications using JDBC to using SOAP webservice calls, applying hooks to behave well in a clustered environment and upgrading applications to latest servlet spec.
- Built JSP/Servlets based application to monitor/track De-Icing events.
- Collaborated on building tool to automate pilot/flight attendant scheduling bids. Built with *Spring*, *JSF* and *Hibernate*.
- Mentored full time staff on Java and J2EE technologies so that they could provide long term support for the SOA and ESB implementations.

Information Resources Inc. *Cincinnati, OH*

SOFTWARE DEVELOPER *Apr. 2000 - Aug. 2005*

- developed numerous web applications and tools on ad hoc basis with fast turnaround time to meet client/sales demands. examples include: building dashboards from disparate data sources, writing etl processes to load data from legacy storage into relational databases. building data scrubbing tools in scripting languages such as perl to prepare for reporting.
- collaborated on 'product locator' suite of tools to provide clients with simple interface to setup geo-location services on their websites. application built with java servlets, xml/xslt transform stack. application used combination of hosted data as well as client provided data. built admin tools to help clients validate/scrub data to comply with required inputs.

Kroger. *Cincinnati, OH*

SYSTEM ADMINISTRATOR *Apr. 1998 - Mar. 2000*

- Provided Unix Administration (SCO/AIX) support for in-store systems providing computer assisted ordering and pharmacy prescription adjudication
- On occassion supported store systems with travel to locations as needed.
- Provided SysAdmin support for Kroger's Y2K initiative.

Skills

Programming	JAVA, Ruby, Javascript (Browser, Node), Scala, Groovy
Web	Rails, Express, Meteor, React, HTML5, LESS, SASS, CSS
Mobile	Android (native and hybrid), IOS (Swift, React-Native)
Testing (Unit and Acceptance)	Cucumber, Rspec, Jest, Spock
Devops	Chef, Teamcity, Jenkins, Gitlab, Gradle, NPM
VCS	Git, Subversion
Storage	MySql, MongoDB, Oracle, MS SQL

Education

Northern Kentucky University
Highland Heights, KY

M.S. IN COMPUTER SCIENCE (THESIS OPTION)   *Dec. 2013*

- Thesis: *Artificial Intelligence Approaches to Music Composition*
- Published Paper with Thesis Director in *Proceedings of the 2013 International Conference on Artificial Intelligence / CSREA Press*

Eastern Kentucky University
Richmond, KY

B.S. IN APPLIED PHYSICS (MINOR: MATHEMATICS)   *May. 1995*

Extracurricular Activity

Hour of Code (Code.org)
Cincinnati, OH /Northern KY

VOLUNTEER   *Dec. 2015 - PRESENT*

- Presented *Hour of Code* material to area elementary schools for past 2 years.
- Assisted elementary school teachers in choosing materials and using tools such as *sonic pi* to introduce students to coding in a fun environment.

Miscellaneous
Cincinnati, OH /Northern KY

MY INTERESTS

- Stay active in and attend meetups around town, such as the *Cincinnati Software Craftsmanship* and *TechLife Cincinnati* meetups.
- Attend regional and national conferences such as *Stir Trek* and *Midwest UX*.
- Algorithmic music generation and sonic-pi.
- Machine Learning and hacking with embedded/IOT devices.
- ACM Member since 2011.
- Digital Photography and Photo Art.