**SAFINA KHANEM**

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**PROFILE**

* 4 plus years of experience in Software Development and Test Automation of Data-driven Applications.
* Experienced in Agile Software Development, Data Mining, Business Intelligence (Business Objects), UNIX based development and Shell Scripting.
* Active in Women in Technology organizations.

**TECHNICAL SKILLS**

* **Programming Skills:** C, C++, Java, SQL, Shell scripting, Beginner in Android development, Python, JavaScript and NoSQL.
* **Software Technologies:** Eclipse, Visual Studio, Matlab, Android Studio, Sikuli, GitHub, BOXIR3
* **Operating Systems:** Unix, Linux, Solaris, Windows, iOS, Android

**PERSONAL PROJECTS**

* **Android Project - Ongoing**Developing an Android app to calculate the amount of water needed by your body based on your weight, drinking habits and location.
* **Alexa Skill project**Submitted 3 skills on AWS as a part of an Amazon Echo hackathon. One Skill suggests you what type of cocktail you should try based on your likes and dislikes.

**PROFESSIONAL EXPERIENCE**

**Software Engineer II** Sept 2014 – Present

**Progress Software Corporation**

Reduce single point of database failure and minimize downtime on production database by adding two synchronous replica databases as backups.

* Contribute in the development and enhancement of products from requirements gathering to successful deployment.
* Research, design and collaborate closely with other team members to plan and design Technical Specifications and approve Test Plans.
* Advise customers regarding maintenance and administering their databases.

**Achievements –** Reduced database downtime and maintenance cost by 20% by implementing a mechanism to avoid restarting the backup database if Replication Agent stopped; achieving high data availability.

* Received appreciation and promotion in first four months from Software Engineer to Software Engineer II.

**Skills and Tools – C, C++, Shell scripting, Eclipse, Visual Studio, ClearCase**

**Software Engineer in Test** Feb 2014 – Aug 2014

**Progress Software Corporation**

Increase database considerable flexibility in partition management and attain greater query efficiency.

* Planned, designed and implemented automation tests for Table Partitioning features of OpenEdge.
* Learned thoroughly the concept of Merging Partitions, Replication, Locking Protocol and implemented tests for automation.

**Achievements –** Won the award for the ‘Best Implemented Idea’ at Progress internal 3-day Hackathon.

**Skills and Tools – SQL, Test Automation, Shell scripting, ClearQuest**

**SDE Intern** May 2013 – Aug 2013

**EMC Corporation (RSA Security)**

* Accomplished the Proof of Concept for Test Automation for Cloud based Risk Authentication (Next Generation Authentication - NGA) in Mobile Devices.
* Implemented a calculator app and tested it with Risk Based authentication as a Proof of Concept.

**Skills and Tools – Java, Python, Jenkins, JUnit, Sikuli**

**Software Engineer** Dec 2009 – July 2012

**Tata Consultancy Services (TCS)**

* Worked on improvising the Data Warehouse system of Sony Pictures Entertainment and Constellation Energy Group. Enhancements and development of the BO Reports and Universes (Data Marts).   
  **Achievements -** Implemented cost saving back up strategy for the Security Applications for SPE.   
  Improved goal achievement rate by customizing the reporting system for the project with CEG.

**Skills and Tools – Java, SQL, BOXI (Infoview, Designer), QTP**

* Developed a Web portal allowing Order Management and Inventory Management to the users of Ascent Media Group.

**Achievements -** Received Client Appreciations, HR and Team Leaders recognitions.   
**Skills and Tools** - **Java, Eclipse, SQL, JIRA, Junit**

**TRAININGS & INTERESTS**

* Beginner Android programmer – Built four apps and received a certification from Google Developers Group for successfully completing 5 weeks training.
* Active member of Progress Software’s Lean In Circle – Women at HQ
* Active member of Women in Technology organizations - Girls Develop It and Women Who Code.

**EDUCATION**

* **Master of Science in Computer Science and Engineering Jan 2014**  
  University at Buffalo, State Univ. of New York, NY
* **Bachelor of Engineering in Computer Science and Engineering** **Jun 2009**  
  Bhilai Institute of Technology, Durg (B.I.T), CSVTU Bhilai

**VOLUNTEER EXPERIENCE**

* Volunteer at CREDA - Chhattisgarh Renewable Energy Development Agency
* Volunteer at TCS Maitree – Mumbai
* Volunteer with Women at Progress activities.