

SHIVAM KUMAR GARG

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ORACLE
Certified Professional
Java SE 5 Programmer

PROFESSIONAL SUMMARY:

- Computer Science graduate with **10+ years of experience as a Mobile application developer** with SDLC, **enterprise-level mobile and web application development** and **6+ years of experience in developing Android and iOS mobile applications**. Adept at **software development** using **Java/J2EE, Java springs, Rest web services & Android SDK**.
- **Java certified professional** by Oracle (formerly called Sun certified java professional).
- Excellent understanding of **Object-Oriented Programming concepts, Algorithms** and **software design patterns** along with the capability to learn new technologies.
- Experience in **Agile Methodology** - Participated in **Scrum** and **Sprint** Planning.
- Participated and won many **Hackathons** along with developing & managing many **Github** projects.
- Strong understanding of **GIT** source control and process of branching and tagging for version control.
- Well versed with **design patterns** and their implementations.

PERSONAL SKILLS:

- Highly **self-motivated**, able to work in a **multi-tasking** and **fast-paced team environment**.
- Highly **goal-oriented**, creative, dedicated & well organized with the ability to manage multiple projects and meet deadlines.
- A quick learner with **excellent communication** & problem-solving skills along with **great team leadership qualities**.
- **Efficient in timely & successful delivery of** products of quality design and proper implementation having **Zero defects**.
- **Highly committed, Android mobile Professional** with a consistent & outstanding record of accomplishments in directing all phases of the software development lifecycle to deliver outstanding mobile applications critical to business requirements & performance.
- Solved large challenging tasks by breaking down into the small problem and solving through abstract thinking.

HAVING IN-DEPTH KNOWLEDGE OF:

- Core Java / J2EE
- React Native
- Raspberry pi projects
- Android TV/Wear/Phones/Tablets.
- Android
- Design & Analysis of Algorithm
- Software Security & Testing
- Object-Oriented Design methodologies
- Java Springs framework
- Data Structures
- Distributed Systems Operating System (OS concepts)
- Software Engineering process

TECHNICAL SKILLS:

Languages and Scripting	Java, Android, Kotlin, Java Springs, Node JS, JavaScript, jQuery, React Native
Mobility, Db architecture	Android SDK, Swift iOS, SQL Server, MySQL, SQL
Web Technologies	HTML, CSS, DialogFlow, Web Services, Node JS, Ajax, XML/XHTML, XML, JSON, HTTP(s)
Methodologies	Agile, Waterfall
Operating Systems	Android, Windows (8,7,10, XP, 2000), Mac OS X, Linux, Unix, iOS
Tools and servers	Android Studio, Eclipse, NetBeans, XCode, SVN, Apache Tomcat, WebSphere
Testing & defect management	jUnit, Selenium, Jira, HP Quality center, Bugzilla.

EDUCATION:

Master of Computer Science - Arizona State University, Tempe, AZ.

May 2015 Graduated

GPA: 3.87

Bachelor of Engineering in Computer Science - JSSATE, Bangalore, India.

May 2010 Graduated

Aggregate: 72 %

WORK EXPERIENCE:

AT&T Smart Home Manager

Senior member of technical staff, Jan-2017 to Present

Google app store Link: <https://play.google.com/store/apps/details?id=com.att.shm>

Smart Home Manager is a native app to manage your Wi-Fi Mesh network - check network state, Reboot router, connect and repair extenders, provide guest access, password management, parental control, Virtual assistant to help you assist with troubleshooting, talk to

live agent through our agent chat, manage bandwidth, Wi-Fi speed test, Wi-Fi Augmented Reality (AR) strength finder, check who is exhausting your bandwidth and much more.

- Dual role of senior Android developer as well as iOS Developer.
- Designed the architecture of the entire project to support easy integration of features.
- Designed many custom views for customized User experience, supporting google material design framework.
- Implemented Google Accessibility Talkback to ease the application use for people with hearing/eye disorder.
- Successfully lead and delivered new an app to the App Store for iOS / Android.
- Implemented many features like dashboard, device & network management, live chat with an agent, Virtual Assistant, Reboot router, login, and authentication, changing device details, help and other features.
- Implemented Artificial intelligence (AI) chatbot to solve basic troubleshooting and network management.

Environment: Android SDK, Kotlin, Android Studio, GIT, JSON, web service, Google Speech API, Amazon Polly, Teneo NLP

Employer: AT&T, Atlanta GA

AT&T Digital Life - Home Automation and Home Security System

Senior Software Developer, Feb- 2016 to Jan-2017

Google app store Link: <https://play.google.com/store/apps/details?id=com.att.digitallife.android.phone22>

Digital life is a security & home-automation system, which is an IP based platform that allows users to monitor and detect activity throughout their house remotely through Smartphones, tablets, and web-based applications. The application was developed for customers to operate their accounts using their handheld devices and monitor or operate a home security and automation system. Involved as Senior Developer in the project and responsible for implementing new enhancements introduced in the application.

- Implemented Digital life application for Android Wear 1.0/2.0
- Implemented Security Alarm System and Custom routines for making it easier for a user to choose from the set of suggested programs.
- Worked in creating White label using Android Flavors for product to be used internationally supporting different locale settings.
- Worked in an Agile-based environment with continuously changing requirements.
- Worked cross-platforms: java/android/iOS.
- Implemented the multithreading to cut down the latency and improve efficiency.
- Involved in providing guidance and support to the new hire.
- Implemented Dynamic Device Widget, so that all future device's UIs are rendered dynamically and automatically.

Environment: Android SDK, Material Design, Android Studio, GIT, JSON, web service

Employer: Apex System Inc.

AT&T Digital Life - Home Automation and Home Security System

Senior Software Developer, May-2014 to Jan-2016

Google app store Link: <https://play.google.com/store/apps/details?id=com.att.digitallife.android.phone22>

Digital life is a security & home-automation system, which is an IP based platform that allows users to monitor and detect activity throughout their house remotely through Smartphones, tablets, and web-based applications. I was responsible for designing and implementing MJPEG player on the Android platform for live streaming of camera and other life safety devices.

- Worked cross-platforms: java/android/iOS.
- Worked in designing and developing new features and enhancement from scratch.
- Implemented the multithreading to improve the logging process and efficiency.
- Implemented android based Digital Life application for smart TV.
- Lead the project with excellent documentation, communication, adaptive & strong analytical skills.
- Implemented and Customized MJPEG video library to stream LIVE camera feeds to the handheld devices.
- Worked with Android flavors for International branding purposes.
- Implemented Dynamic Device Widget, so that all future device's UIs are rendered dynamically and automatically.
- Experience working with JSON and XML.

Environment: Android SDK, Android DDMS, Android Studio, GIT, JSON, web service

Cognizant Technology Solutions, Bangalore India

Programmer Analyst, Aug-2010 to Jun-2013

- Designed vehicle data intelligence system for leading automotive business intelligence providers, which allows users to build, modify and search user-defined vehicles and compare specifications with other built and benchmark vehicles.
- Provided technical Support for critical issues in the project and resolved more than 60% on a single day.
- Managed an offshore team of 7 for a module, responsibilities included training of new resources, problem-solving, interaction with the client for requirement gathering, timely deliverables, code reviews and interfacing front end with the back end services.
- Optimized complex SQL queries and stored procedures on Microsoft SQL Server to increase efficiency.
- Lead the project with excellent documentation, communication, adaptive & strong analytical skills.
- Contributed ideas and innovative solutions in a dynamic, fast-paced environment

Environment: Java SDK, Java Springs, JaxRX RESTful web services, Eclipse, SVN, JSON, XML

HONORS & AWARDS

- **1st Place, Mobility Live Hack-Back Invitational** – Captain Planet Foundation, Metro Atlanta Chamber of Commerce
- **2nd Place, Fin Apps Party Hackathon** – Global Payments
- **1st Place, TAG IOT Hackathon 2016** - Technology Association of Georgia

TRAINING, CERTIFICATIONS, AND ACHIEVEMENTS

- Sun certified JAVA professional and Cognizant certified professional in JAVA
- Client appreciation for major issue resolution and timely deliverable at Cognizant. Awarded **“Oscar”** and **“Wings”** by Cognizant Technology Solutions for outstanding Leadership and Abstract thinking.

GITHUB PROJECTS:

Latin Salsa Fest iOS/Android app published on App Store

Designed and Implemented an Android and iOS app for Atlanta Salsa Fest, an annual Latin fest. This project included native client Android and iOS apps and backend Java web-services implemented using JAX-RS and SQL database.

Google play store Link: <https://play.google.com/store/apps/details?id=com.app3engine.dancefestivals>

Apple app store Link: <https://itunes.apple.com/us/app/dance-festivals/id1142324380>

Online Air/Hotel fare compare engine Web Link: <https://www.FlyCheapAlways.com>

Designed, Implemented and hosted a web interface for comparing cheapest flight over 300 travel sites and travel agents to gather cheapest flight and hotel fare.

Real-time chat/messaging application.

Designed and Implemented an Android and iOS app for real-time chat/messaging with the ability to share location/photos/videos and other documents with other users on the app or a group chat. Users can choose to be either anonymous or authenticated via Google/Facebook/Instagram authentication.

Multiprogramming Thread synchronization and Message passing and mimicked kernel Threads on Linux operating system

Designed and developed a program, which creates multi-threaded self-scheduling user-level threads in a non-preemptive environment using yield. Implemented readers and writer’s algorithm using semaphore that supports persistence message passing via ports in distributed (unshared) memory. Implemented system calls, multiprogramming and thread synchronization using user implemented semaphores and monitors.

Mini Search Engine (information retrieval and data mining).

Implemented a search engine for a mid-scale index document corpus, which computes the Vector Space model to rank the pages based on Term frequency(TF) and TF/IDF similarity. Ranking algorithms are used for computing the importance of a page.

Software Vulnerability automated tool

Designed and automated tool to find vulnerability like SQL injection, XSS vulnerability, Command-Line injection, privilege escalation attack and session hijack attack on any website. The tool currently is built over open-source tool "grabber".

Secure Banking System

This system was designed with the purpose to learn & implement the security aspect of web-based applications. This also contains security measures such as SSL/TLS, PKI, HTTPS, Session management, OTP, Self-signed certificate, white list validation, activation link to activate users account to enhance the aspect of the overall project. This project is XSS, SQL injection, privilege escalation rainbow attack free.