Raghav Garg

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EXPERIENCE

- **Microsoft**
  Software Engineer 2 — *Jun 2019 - Present*
  - **Neural Voice in iOS Speech**: Integrated and shipped Neural Voices on Read Aloud on iOS word app which increased MAU of iOS Read aloud from 56k to 900k.
  - **Read Aloud on Android**: Developed Read Aloud Feature on android word app with neural and robotic voice which got MAU of 2M customers within a month of release.
  - **Read Aloud on win32**: Integrated and shipped Neural Voices on Read Aloud on win32 word desktop application for M365 users with additional features.
  - **Shared Component, HVC**: Wrote entire shared logic of TTS pipeline in C++ and Contributed in development of Voice SDK for all voice features like Dictation, Commanding, Read Aloud, Transcription across all Microsoft apps.
  - **Voice Discovery**: Worked on Discoverability of voice features which contributed in 10x growth of Voice features across Microsoft apps.

- **Paytm Payments Bank**
  Senior Software Engineer — *Jan 2017 - May 2019*
  - **Middleware**: Re-architected the payments bank middleware for commercial launch under very ambitious timelines.
  - **Development lifecycle**: Worked on end to end development; Right from requirement analysis to Documentation, designing workflows, Development, debugging, implementation to deployment and post production issues.
  - **Product Service** : Led the Product Service development and integration with various internal and external services and enabling a solution with the product teams.
  - **State Machine**: Implemented Product State machine for various stages of each new product, worked on entire issuance process for on boarding product, focusing on high availability, fault tolerance and auto scaling.
  - **Messaging Queue**: Integrated Kafka for passive product opening and RabitMQ for account opening through KYC pipeline.
  - **Data and Cache**: Setup, schema design and management of Cassandra. Also integrated Aerospike as caching mechanism in product service.

- **MakeMyTrip**
  Senior Software Engineer — *Sept 2013 - Jan 2017*
  - **Performance Improvement**: Developed RESTful Backend API's for Payments, Optimized and reduced various network calls, reduced App Latency, Connect Layer Removal, Omniture Integration for better monitoring.
  - **Caching Implementation**: Added Caching at client ends and memcached at service end for better network performance
  - **Payment Revamping**: Key Person in revamping payments backend and native system with new design and their implementation.
  - **Responsive Design**: Implemented Responsive design for MMT payments page using JS framework bootstrap.
  - **Payment Gateway Integration**: Responsible for J2EE development in payments team including paymode integrations like Debit Pin Integration, EMI support, Payback, EasyToBook.com integration and safenet implementation.

- **Google Summer of Code**
  Summer Intern — *Apr 2012 - Aug 2012*
  - **GAS**: Built an end-to-end product for connecting NYC educators to students and parents using Google Apps Scripts.
  - **Application**: One of a kind application which supported offline as well as online inputs and tracking of student's performances, It supports CSV uploading, online marksheets, auto mailing, attendance calculation.
  - **Google Doc Plugin**: Also created a Google Doc Plugin which enabled Online class tests based on Google form and auto mark calculations in real time with auto mailing.
  - **Customer Usage**: Currently this has been used by more than 80 schools in USA which are operated by New Visions for public school open source organization, Also got a chance to present this present in Google Inc, NYC, also it was a finalist for Google App Developer Challenge.

EDUCATION

- **USICT, Guru Gobind Singh Indraprastha University** Delhi, India
  Bachelor of Technology in Information Technology; Percentage: 77 *Aug. 2009 – Jun. 2013*

- **SJB, CBSE Board**
  XII; Percentage: 82.4 *May 2009*

- **SJB, CBSE Board**
  X; Percentage: 88.4 *May 2007*

PROJECTS

- **Mobile Ad Network**: Open source SDK which connects advertisers and publishers to match the inventory of suppliers with advertiser demand.
- **Home Automation**: Android application which control lights in the room over Internet, Used RasbperryPi, ESP8266, later integrated it with Google Home.
- **Doc Minesweeper**: Minesweeper Game over Google Spreadsheet, finalist in Google App Developer Challenge 2012
- **Personal Assistant**: Web Application based on Google App Script for scheduling and managing calendars of employees of JJ Consultancy, Bangalore
- **Crypto Miner**: Developed Web Application for pooling and mining Ethereum.
- **Mobile Applications**: Founded MobiAppStudioz, Developed and Published multiple Applications on Android, Assistant, Tizen and BB10 marketplace

PROGRAMMING SKILLS

- **Languages**: : Java, C++, SQL, J2EE, ObjC, Swift
- **Scripting Languages**: : JS, BackboneJS, BootStrapJS, Python, Google App Script
- **Databases,Caches**: : MySQL, Cassandra, Elastic Search, Aerospike, Memcached
- **Mobile Technologies**: : iOS, Android, Blackberry Webworks, Tizen, Hybrid
- **Other Technologies**: : Kafka, Spring , Hibernate, REST, SOAP, Git, Charles, AWS, sd, RabitMQ

ACHIEVEMENTS

- **Winner, OXO Together, Microsoft**: Developed Podcast in Microsoft Teams
- **Runner Up, Spring FHL, Microsoft**: Developed Scoops Feature in Microsoft Teams
- **Rockstar Award, Paytm**: Awarded Paytm Rockstar for releasing Payments bank in very ambitious timelines.
- **Winner, Trippathon 2.0, MakeMyTrip**: Awarded first prize in trippathon for developing Book Now, Pay Later feature in 24 hour event.
- **RunnerUp, MakeMyTrip Innovation Hackathon**: Developed "Ask to Pay" for MakeMyTrip mobile customers which enables a user to pay for his/her friend.
- **Rising Star 2016, MakeMyTrip**: Awarded Rising Star for developing common native SDK for payments and releasing taptap application.
- **Rising Star 2014, MakeMyTrip**: Awarded Rising Star for revamping Payments page into a responsive page.
- **Google Summer Of Code**: Completed Google Summer Of Code 2012 under new visions for public school.
- **Finalist, Google App Developer Challenge 2012**: Got 2 applications in TOP 3 apps in India, Developed a minesweeper game over Google Spreadsheet.
- **Bug Bounties**: Participated and awarded in few bug bounties for finding vulnerability in systems.
- **Winner, Blackberry Port A Thon**: Awarded for publishing maximum number of apps On Blackberry platform.
- **Winner, DevWorx BB App Contest**: Awarded for developing best app in 24 hour event.
- **Official Trusted Tester for Google Inc**: Invited for being official trusted developer for Google for open source contribution in Google projects pre releases.

POSITION OF RESPONSIBILITES

- **Student President, GGSIPU**: : Elected for a term of 1 year for acting as an interface between University Administration and students.
- **Event Heads**: : Worked as Event Heads in many university events.