Shobhit Puri

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HIGHLIGHTS

- Engineering leader with four years of experience supporting development teams of over ten engineers.
- Led multiple greenfield projects from inception to production, while participating in the technical vision, strategy, architecture, hiring, mentoring, project management, stakeholder engagement etc.
- Mobile enthusiast with a decade of experience in mobile development (Android, iOS, and Flutter).
- Experienced developing large scale Android and iOS apps with over 10 million monthly active users.
- Impacted over 3.1 million developers with StackOverflow contributions of more than 610 Q&As.
- Technical Editor in Android Team at RayWenderlich.com. The site has 4 million monthly page views.
- Amazon Web Services Certified Solutions Architect - Associate with the test score of 95%.
- Authored an open source Android UI library with more than 200,000 downloads.

WORK EXPERIENCE

Thinkific [Remote, Canada]

- **Engineering Leader / Technical Architect (Mobile)** — Apr'21 – Apr'22
  - Defined the vision and led the technical strategic direction for the greenfield mobile apps project.
  - Enforced and documented plan for best practises, architecture, testing, monitoring, analytics etc.
  - Introduced development processes - CI/CD, branching strategy, git hooks, versioning, release train.
  - Collaborated with executive leadership, architects, development, product, and designer teams to align them on the proposed technical strategies, and to prioritize and delegate the related tasks.
  - Translated business requirements into actionable tasks, and led cross team delivery efforts.
  - Actively participated in hiring contractors and full-time engineers. Determined skillset gaps in the teams, proposed new positions, drafted job descriptions and take home tests.
  - Developed pipeline to build and distribute 12,000 custom apps using Fastlane and Semaphore CI.
  - Mentored engineers by providing feedback, career guidance, technical guidance and code reviews.

Realtor.com [Vancouver, Canada]

- **Senior Mobile Engineer - Android & iOS (Contract)** — May'18 – May'20
  - Developed Realtor.com iOS and Android app features. It's rated 4.7+/5 and has 10 million MAUs.
  - Enhanced Android app quality by reducing Application Not Responding (ANR) errors by 75%.
  - Improved critical features like leads, main screens, navigation, notification, and maintained CI/CD.
  - Played the role of a scrum master and helped the team be organized, efficient and on track.

TradeRev [Remote, Canada]

- **Software Development Team Lead / Android Platform Lead** — Sep'15 – May'18
  - Led a team of mobile and backend devs to develop cross-platform features for the auction platform.
  - Owned the Android project and built a new team to develop the Android app from scratch.
  - Spearheaded the full development cycle of planning, development, testing, and deployment.
  - Mentored junior devs and collaborated with stakeholders like CTO, product managers, designers.
  - Responsible for making architectural decisions including tools and frameworks to use for the app.
  - Setup & maintain automated deployment, continuous integration, git hooks for the project.
  - Took initiatives to maintain detailed documentation and improve code quality. Introduced MVP architecture, JUnit testing, UI testing using Espresso and rigorous code reviews.
  - As a Certified Solution Architect, designed efficient backend solutions with AWS, Grails, Node.js.
- **Full-Stack Software Engineer** — Sep'14 – Sep'15
  - Helped develop their Android app, Grails backend and AWS cloud infrastructure.

SecureKey Technologies [Toronto, Canada]

- **Mobile Developer** — May'13 – Aug'14
  - Developed new mobile payment solutions that enabled users to pay with QR Code, Bluetooth Low Energy and NFC. Conducted exploratory research on preventing Android app reverse engineering.
  - Developed multiple Android and iOS pilot applications for providing secure password-less logins. These included those for Government of British Columbia, Telus, Rogers and Bell.

HOVR.IT [Toronto, Canada]

- **Software Consultant** — Feb'13 – Mar'13
  - Implemented image hashing to search images from millions of images in fraction of a second.

Karlsruhe Institute of Technology [Karlsruhe, Germany]

- **Research Internship** — Feb'12 – Jul'12
  - Developed a dropbox-like solution to access petabytes of scientific datasets in sustainable way.

CERTIFICATIONS

- AWS Certified Solutions Architect - Associate by Amazon, with the test score of 95%.
- Community Leadership Training Certificate from George Brown College.
- Pursuing SEI Software Architecture Professional Certificate from Carnegie Mellon University, USA.

EDUCATION	**University of Toronto [Toronto, Canada]**	Sept'12 – Dec'13

Master of Science in Applied Computing. GPA: **3.94/4.0**

Indian Institute of Information Technology [Allahabad, India]   June'08 – July'12

Bachelor of Technology in Information Technology. GPA: 8.56/10

TECHNICAL
SKILLS

Android: Java, Kotlin, Android Studio, MVVM, MVP, RxAndroid, Retrofit, UI Automation (Espresso), Unit Tests (JUnit, Mockito), Databases (SQLite, Realm), Event Bus, Material Design, Dependency Injection, Glide, LeakCanary.

iOS: Swift, Xcode, UIKit, Fastlane, Apple Maps, TestFlight, Deep link, Universal links.

Tools/Platforms: Git, Firebase, Amazon Web Services, Jenkins, Jira, Salesforce, Semaphore CI.

Other: Flutter, Dart, C++, Groovy, HTML, REST, JSON, OpenCV, OpenGL, Socket.io.

MOBILE APP
DEVELOPMENT
PROJECTS

Thinkific Powered Custom Branded Mobile Apps (Android and iOS)   Apr'21 – Apr'22
Built a team and led its technical direction to develop and publish over 12,000 creator branded mobile apps. Apps enable students to take courses offered by the creator's school, on their mobile devices.

Realtor.com App - Find Homes for Sale and Rent (Android and iOS)   May'18 – May'20
Helped develop Realtor.com iOS and Android apps to enable millions of users find their dream home.

TradeRev App - Auto Auctions (Android)   Sept'14 – May'18
Built and led the team to develop the Android app from scratch for TradeRev. It is an auctioning platform for used cars.

Increase Font Size Widget (Android)   July'16 – Aug'16
Developed an Android widget to enable users to increase device font size beyond what the system settings allows. The inspiration came while volunteering with seniors at NYCH (North York).

Mobile Credential Service for Telus, Rogers and Bell (Android and iOS)   Feb'14 – June'14
Developed a POC, to enable secure login into 3rd party sites by scanning QR code or via push messages, by providing verified attributes from service providers. Built using SecureKey Briidge.net Exchange.

Mobile Payment Solution using Bluetooth Low Energy dongle (iOS)   Nov'13 – Dec'13
Developed a POC iOS app using iOS BLE API and BLE-USB dongle. It enabled users to pay at a Point of Sale by bringing the iPhone in beacon's proximity.

Mobile Payment Solution using NFC (Android)   Sept'13 – Oct'13
Helped develop an app to implemented Host Card Emulation on Android. Much before Android Pay launched, it enabled users to pay at the Point of Sale by tapping their Android phones.

App Providing Mobile Identity as a Service (Android)   May'13 – July'13
Created a POC Android app to make it the centre of users authentication. It provided a convenient and trusted way to share the already verified information with the new merchants.

Intelligent Journaling App for Drug Relapse Prevention (Android)   Feb'13 – April'13
Developed an app to help individuals with addictive disorders identify craving patterns. It tracked moods, cravings, identified time and locations which trigger high craving levels. If user entered in vulnerable zone, it suggested users with intervention strategies.

OTHER
PROJECTS

Image hashing Algorithm   Feb'14 – March'14
Developed a tool using image hashing algorithm to do an image search from millions of images. Algorithm accounted for resized or tormented version of images. Implemented in C using pHash.

Animation of Gangnam style dance - OpenGL   Oct'12 – Dec'12
Implemented using C and OpenGl, an animation of the music video for the song Gangnam Style.

Brain Tumour classification, extraction and volumetric analysis   Jan'11 – Feb'12
Research on classifying brain tumour from MRI scans with 90% accuracy, and performing volumetric analysis of the tumour. Implemented using Neural Networks and Wavelet transforms.

PRO BONO
EXPERIENCE

- Developed Miracle Messages mobile apps to help reunite homeless with loved ones. [San Francisco]
- Volunteered at a North York Community Center to help seniors use technology. [Toronto, Canada]
- Volunteered at 'Prayaas' to teach underprivileged kids who couldn't afford school. [Allahabad, India]

OTHER
ACHIEVEMENTS

- National level Badminton tournament: Runner-up (doubles).   [IIIT Gwalior, India] [2011]
- National level robot combat programming contest: Third position.   [IIIT Allahabad, India] [2011]
- All India Engineering Entrance Exam: Ranked 4487 amongst ~1 million candidates.   [2008]
- District level Basketball tournament: Member of the runner up team.   [Bareilly, India] [2002]