Shobhit Puri

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HIGHLIGHTS

- Engineering leader with five years of experience supporting development teams of over ten.
- Led multiple greenfield projects from inception to production, while participating in the technical vision, strategy, architecture, hiring, mentoring, project management, and stakeholder engagement.
- 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 3.4 million devs on stackoverflow.com, being in top 2% contributors, with over 610 Q&As.
- Technical Editor at raywenderlich.com, a mobile learning platform with 4 million monthly views.
- Committed to continuous learning with certifications in architecture, AWS, agile, leadership, security.

WORK EXPERIENCE

Engineering Director	WillowTree	July'22 – June'23

- Led a diverse team on project with world's largest brewer, promoting direct engineer-client interaction.
- Drove AI adoption initiatives by actively advocating for AI tools such as Copilot, Copilot Labs, Stable Diffusion, GPT among engineers. Additionally, as part of a runner-up team in an AI Competition, independently developed a Flutter POC for a multinational fast-food chain using Stable Diffusion.
- Mentored engineers and Associate Engineering Directors, actively participated in hiring, client alignment, team communication, planning, and successfully presented promotion candidates.
- Contributed to the company's culture by organizing (winning some) quarterly Ping-Pong tournaments, coordinating tech events, and serving as a member of the engineering blog committee.
- Fostered professional growth through active participation in workshops covering Coaching Techniques, Agile, Architecture, Security, and Client relationship management.

Engineering Leader/Architect	Thinkific	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.

Senior Mobile Engineer	Realtor.com	May'18 – May'20

- Developed features for Realtor.com native iOS and Android apps, rated 4.7+/5 with 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.

	TradeRev	Sep'14 – May'18

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 CI/CD, git hooks, detailed documentation for the project.
- Focussed on code quality, introduced MVP architecture, Unit tests, UI tests, 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.

Mobile Engineer	SecureKey Technologies	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.

Software Consultant	HOVR.IT	Feb'13 – Mar'13

- Implemented fast image searching among millions of images by utilizing pHash for image hashing.

Research Internship	KIT, Germany	Feb'12 – Jul'12

- Developed a dropbox-like solution at the Karlsruhe Institute of Technology, to streamline access to petabytes scale datasets. Used FUSE (Filesystem in Userspace) to export filesystem to Linux kernel.

CERTIFICATIONS
- Leading SAFe® (Scaled Agile Framework) - Certified SAFe Agilist, with the test score of 96%
- Community Leadership Training Certificate from George Brown College.
- AWS Certified Solutions Architect - Associate by Amazon, with the test score of 95%.
- SEI Software Architecture Professional Certificate from Carnegie Mellon University, USA (in progress).

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, Unit Tests, Databases, EventBus, Material Design, Dependency Injection.
iOS:	Swift, Xcode, UIKit, Fastlane, Apple Maps, TestFlight, Deep link, Universal links.
Backend:	Grails, Groovy, Node.js, AWS, OAuth, MySQL, ORM, API Development, Swagger
Tools/Platforms:	Git, Firebase, Jenkins, Semaphore CI, Salesforce, Jira.
Other:	Flutter, Dart, GraphQL, REST, C++, Python, HTML, OpenCV, Socket.io, Agile.

MOBILE PROJECTS

Thinkific Powered Custom Branded Mobile Apps (Flutter) Apr'21 – Apr'22
Built a team and led its technical direction to develop and publish over 12,000 white-labelled 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 the used car auctioning platform.

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 Payment Solutions - Bluetooth Low Energy(iOS) & NFC(Android) Sept'13 – Dec'13
Developed an iOS app utilizing iOS BLE API and BLE-USB dongle, facilitating Point of Sale proximity payments. Also, created Tap to Pay Android app using Host Card Emulation, pre-dating Android Pay.

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 those struggling with addiction. The app identified their craving patterns and suggested them intervention strategies in-time.

ARTIFICIAL INTELLIGENCE (AI) PROJECTS

Edible AI Generated Images - Stable Diffusion POC using Flutter May'23
Developed a POC for a global fast-food chain, showcasing AI-generated image printing on food orders.

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.

Book Reading Mechanism for Visually Impaired July'10 – Dec'10
Developed a tool to read text from physical books using image enhancement, OCR and text to speech.

PRO BONO EXPERIENCE
- Mentor at Upnotch - a mentorship platform for executives, entrepreneurs and professionals.[Remote]
- Developed Miracle Messages mobile apps to help reunite homeless with loved ones. [San Francisco]
- Volunteered at NYCH senior club, crafting an Android widget to enhance mobile accessibility.[Toronto]
- Volunteered at ' Prayaas' to teach underprivileged kids who couldn't afford school.[Allahabad, India]

OTHER ACHIEVEMENTS
- Awarded Mitacs Accelerate Scholarship worth $30k. [University of Toronto, Canada] [2012]
- 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]