

# Shobhit Puri

[linkedin.com/in/shobhitpuri](https://www.linkedin.com/in/shobhitpuri) | [shobhitpuri.com](https://shobhitpuri.com) | Vancouver, Canada

## HIGHLIGHTS

- Engineering leader with five years of experience leading and managing full-stack development teams.
- Technology enthusiast with a decade of expertise in mobile (Android, iOS, and Flutter) and backend.
- Led multiple greenfield projects from inception to production, demonstrating expertise in people management, architecture, hiring, mentoring, project management, and stakeholder engagement.
- Experienced developing large scale applications with over 10 million monthly active users.
- Startup Advisor & Mentor at 'The Entrepreneurship Hatchery', an incubator at University of Toronto.
- Instructor at leading developer education platforms like [Droidcon Academy](https://droidcon.com) and [raywenderlich.com](https://raywenderlich.com).
- Impacted 3.4 million devs on [stackoverflow.com](https://stackoverflow.com), being in top 2% contributors, with over 610 Q&As.
- Committed to continuous learning with [certifications](#) in architecture, AWS, agile, leadership, security.

## WORK EXPERIENCE

<b>Engineering Director</b>	<b>WillowTree</b>	<b>July'22 – June'23</b>
<ul style="list-style-type: none"><li>• Led a full-stack team with the world's largest brewer, focusing on people management, partner relations, stakeholder engagement, product management, technical architecture, mentoring.</li><li>• Mentored engineers and Associate Engineering Directors, actively participated in hiring, client alignment, team communication, planning, and successfully advocated for promotion candidates.</li><li>• Drove AI adoption by advocating tools like Copilot, GPT-4, and Stable Diffusion among engineers.</li><li>• Collaborated with a runner-up team in an AI Competition, independently developing a POC for a multinational fast-food chain using Flutter and Stable Diffusion.</li><li>• Fostered professional growth through active participation in workshops covering Coaching Techniques, Agile, Software Architecture, Security Practises, and Client relationship management.</li><li>• 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.</li></ul>		
<b>Technical Architect</b>	<b>Thinkific</b>	<b>Apr'21 – Apr'22</b>
<ul style="list-style-type: none"><li>• Defined the vision and led the technical strategic direction for the greenfield mobile apps project.</li><li>• Developed pipelines to build and distribute 12000 branded mobile apps with Fastlane, Semaphore CI.</li><li>• Enforced and documented plan for best practises, architecture, testing, monitoring, analytics etc.</li><li>• Introduced development processes - CI/CD, branching strategy, git hooks, versioning, release train.</li><li>• 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.</li><li>• Translated business requirements into actionable tasks, and led cross team delivery efforts.</li><li>• 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.</li><li>• Mentored engineers by providing feedback, career guidance, technical guidance and code reviews.</li></ul>		
<b>Senior Mobile Engineer(Contract)</b>	<b>Realtor.com</b>	<b>May'18 – May'20</b>
<ul style="list-style-type: none"><li>• Developed features for Realtor.com native iOS and Android apps, rated 4.7+/5 with 10 million MAUs.</li><li>• Enhanced Android app quality by reducing Application Not Responding (ANR) errors by 75%.</li><li>• Improved critical features like leads, main screens, navigation, notification, and maintained CI/CD.</li></ul>		
	<b>TradeRev</b>	<b>Sep'14 – May'18</b>
<b>Software Development Team Lead &amp; Android Platform Lead</b>		Sep'15 – May'18
<ul style="list-style-type: none"><li>• Led a full-stack team of over 11 engineers to develop cross-platform features for the auction platform.</li><li>• Owned the Android project and built a new team to develop the Android app from scratch.</li><li>• Spearheaded the full development cycle of planning, development, testing, and deployment.</li><li>• Guided architectural decisions, tools &amp; framework selections, established CI/CD, git hooks.</li><li>• Setup best practises on code quality, architecture, Unit tests, UI tests, code reviews, documentation.</li><li>• Mentored junior devs and collaborated with stakeholders like CTO, product managers, designers.</li><li>• As a Certified Solution Architect, designed efficient backend solutions with AWS, Grails, Node.js.</li></ul>		
<b>Full-Stack Software Engineer</b>		Sep'14 – Sep'15
<ul style="list-style-type: none"><li>• Helped develop their Android app, Grails backend and AWS cloud infrastructure.</li></ul>		
<b>Full-Stack Software Engineer</b>	<b>SecureKey Technologies</b>	<b>May'13 – Aug'14</b>
<ul style="list-style-type: none"><li>• Developed mobile payment solutions to enable users to pay with Bluetooth Low Energy and NFC.</li><li>• Conducted exploratory research on preventing Android app reverse engineering.</li><li>• 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.</li></ul>		
<b>Software Consultant(Contract)</b>	<b>HOVR.IT</b>	<b>Feb'13 – Mar'13</b>
<ul style="list-style-type: none"><li>• Implemented fast image searching among millions of images by utilizing pHash for image hashing.</li></ul>		

	<b>Research Internship</b>	<b>KIT, Germany</b>	<b>Feb'12 – Jul'12</b>
	<ul style="list-style-type: none"> <li>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.</li> </ul>		
CERTIFICATIONS	<ul style="list-style-type: none"> <li><b>Leading SAFe® (Scaled Agile Framework) - Certified SAFe Agilist</b>, with the test score of 96%</li> <li><b>Community Leadership Training Certificate</b> from George Brown College.</li> <li><b>AWS Certified Solutions Architect - Associate</b> by Amazon, with the test score of 95%.</li> <li><b>SEI Software Architecture Professional Certificate</b> from Carnegie Mellon University, USA (in progress).</li> </ul>		
EDUCATION	<b>University of Toronto [Toronto, Canada]</b>		<b>Sept'12 – Dec'13</b>
	Master of Science in Applied Computing. GPA: <b>3.94/4.0</b>		
	<b>Indian Institute of Information Technology [Allahabad, India]</b>		<b>June'08 – July'12</b>
	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 Continuous Integration & Delivery, Salesforce.	
	Other:	Flutter, Dart, GraphQL, REST, C++, Python, Django, HTML, Agile, Jira.	
MOBILE / BACKEND PROJECTS	<b>Thinkific Powered Custom Branded Mobile Apps</b>		<b>Apr'21 – Apr'22</b>
	Built a team and led its technical direction to develop and publish over 12,000 white-labelled mobile apps using Flutter, to enable students to take courses offered by the creator's school.		
	<b>Realtor.com App - Find Homes for Sale and Rent</b>		<b>May'18 – May'20</b>
	Helped develop Realtor.com <b>Android</b> and <b>iOS</b> apps to enable millions of users find their dream home.		
	<b>TradeRev App - Auto Auctions</b>		<b>Sept'14 – May'18</b>
	Built and led the team to develop the greenfield Android app and backend for the auctioning platform.		
	<b>Increase Font Size Widget</b>		<b>July'16 – Aug'16</b>
	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).		
	<b>Mobile Payment Solutions - Bluetooth Low Energy &amp; NFC</b>		<b>Sept'13 – Dec'13</b>
	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.		
	<b>App Providing Mobile Identity as a Service</b>		<b>May'13 – July'13</b>
	Created a POC <b>Android</b> 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.		
	<b>Intelligent Journaling App for Drug Relapse Prevention</b>		<b>Feb'13 – April'13</b>
	Developed an Android app to help those struggling with addiction. The app identified their craving patterns and suggested them intervention strategies in-time.		
ARTIFICIAL INTELLIGENCE (AI) PROJECTS	<b>Edible AI Generated Images - Stable Diffusion POC using Flutter</b>		<b>May'23</b>
	Developed a POC for a global fast-food chain, showcasing AI-generated image printing on food orders.		
	<b>Brain Tumour Classification, Extraction and Volumetric Analysis</b>		<b>Jan'11 – Feb'12</b>
	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.		
	<b>Book Reading Mechanism for Visually Impaired</b>		<b>July'10 – Dec'10</b>
	Developed a tool to read text from physical books using image enhancement, OCR and text to speech.		
PRO BONO EXPERIENCE	<ul style="list-style-type: none"> <li>Mentor at Upnotch - a mentorship platform for executives, entrepreneurs and professionals.[Remote]</li> <li>Developed <b>Miracle Messages</b> mobile apps to help reunite homeless with loved ones. [San Francisco]</li> <li>Volunteered at NYCH senior club, crafting an <b>Android widget</b> to enhance mobile accessibility.[Toronto]</li> </ul>		
OTHER ACHIEVEMENTS	<ul style="list-style-type: none"> <li>Awarded MITACS Accelerate Scholarship worth \$30k. [University of Toronto, Canada] [2012]</li> <li>National level Badminton tournament: Runner-up (doubles). [IIIT Gwalior, India] [2011]</li> <li>All India Engineering Entrance Exam: Ranked 4487 amongst ~1 million candidates. [2008]</li> </ul>		