Varun Khaneja

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About Me I'm a versatile and seasoned developer, interested in working on problems of scale. I like challenges, love travel, and am fascinated by economics.

Areas of Interests Solving problems of scale related to: Fraud/Abuse prevention, Mobile app development, Web browsers, Cloud infrastructure.

Professional Experience

Google Inc., Mountain View, USA. July 2013 – present
Senior Anti-Abuse Engineer Fighting abuse at scale

I build tools to prevent losses due to fraud and policy violations in AdWords that build user and advertiser trust and directly affect Google's bottomline.

Prevent losses of XXX MM USD My work has been instrumental in retaining user confidence and preventing financial losses.

Site lead and Mentoring I have been leading the work on this project locally, and managing 3-5 persons remotely. In addition, I'm mentoring 1 non-engineer locally to help them grow into an engineering role.

20% project In Q3'15, making Chrome provide better security measures to the users.

20% project In Q3'14, I built 2 features for the early version of the Android application for the RideWith project.

Experience gained *Fraud/Abuse fighting, Python, JavaScript, AngularJS, bash.*

Microsoft Corporation July 2011 – July 2013
Software Development Engineer II

Developer on the *Expression Blend for HTML* team. Expression Blend is a UI design tool for building interfaces for web and desktop applications.

JavaScript controls and CSS-like animations Implemented support for adding & styling JS controls for Windows 8 apps, and CSS-like animation features for Windows 8 JS apps. The latter involved parsing and serializing a custom animation language into CSS animations.

Experience gained *C++, C#, JavaScript, CSS, XAML.*

Adobe Systems June 2007 – July 2011
Computer Scientist Mobile and Desktop Applications

Added functional and security features to Adobe Reader and Acrobat for *Android*, *Windows Phone*, *Linux*, *Solaris*, and other supported platforms.

Mobile Built Adobe Reader in a small team for *Android*, and single-handedly for *Windows Phone*. Lead the initial effort for *iOS*.

PDF Reader for Unix Implemented *Flash Player* playback inside *Adobe Reader*. Owned the responsibility for a smooth installation experience on *Linux* and *Solaris*.

Acrobat Joint ownership of development of the legacy Multimedia playing solution.

User engagement Championed engagement with the users of PDF reader for Android and Linux on blogs and Twitter.

Experience gained *Android, C++, Java, User engagement, bash scripting, Windows Phone 7.*

Advanced Micro Devices (AMD) July 2006 – May 2007
Design Engineer - II Pre-silicon verification

Functional cycle-based verification Complete ownership of the instruction cache and the floating-point unit of the first generation of quad-core processor from AMD. Joint ownership of the functional verification of the Data Cache.

Open Source Work	**Chromecast Backgrounds**	*Code contributor, bug reporter*

Feature Allow the user to specify the size of the image to download.

Bug Updated the API being used to download the images from Google servers.

Experience gained: *JavaScript, NodeJS.*

FBReader   *Code contributor, bug reporter*

Fixed issues in FBReader that allow visually impaired users to download and read books correctly.

Status Completed. Changes merged up-stream.

Always Smile Amazon   *Owner, code contributor*

Built a Chrome extension to always redirect an Amazon user to Amazon's Smile program page. This allows users to support charities around the world as Amazon donates 1% of the transaction money to those charities.

Status Finished. Published to Chrome Web Store.

Quora Full Access   *Owner, code contributor*

Built a Chrome extension to that removes the nagging login dialog when visiting pages on Quora. It does so by adding the appropriate query parameter(s) to the URL.

Status Finished. Published to Chrome Web Store.

Programming Skills	*Python, C++, JavaScript, Java, bash.* Mobile: *Android, Windows Phone,* Familiarity with *iOS.* Desktop: *Linux, Windows.*

Honours and Awards	"Peer Bonus" at Google, for my work on abuse fighting & 20% projects, 2013, 2014 (x2), 2015 (x2). "Good Work" at Adobe, awarded by fellow teammates, 2009, 2010, 2011. "Spot award" at Adobe, for diligence shown in security issues related to Multimedia playback for Acrobat, 2008. "1st prize" at IIT Kanpur, in *Coderupt*, an International Online Hacking Competition, 2006.

Education	**IIT Kanpur**	**July 2004 – June 2006**
	Master of Technology	CPI: 9.14 (on 10)
	Bharati Vidyapeeth College of Engineering, Delhi, India	**July 2000 – June 2004**
	Bachelor of Technology	Score: 79.80%