




# Utkarsh Lamba

## Software Developer

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## WORK EXPERIENCE

### Software Developer, Vena Solutions

May - Aug 2016

Java, MySQL, Javascript, Backbone.js, Jetty, Guice

- Wrote a brand new micro-service to schedule and trigger custom HTTP callbacks using Spark server and Quartz scheduler
- Implemented an email notification feature, allowing users to set, customize and receive reminders via a web-client or a REST API
- Optimized several APIs by streaming data and using lazy fetching
- Shipped several features such as ability to view and download user and model audits in JSON and CSV formats
- Tested self-written features by writing unit tests using the JUnit framework and API tests using a custom fork of Postman
- Participated in weekly product demos and design discussions

## PROJECTS

### Web Development

**RapidTales** - React.js, socket.io, Node.js, Express.js, mongoDB

- MERN stack realtime web game in which several players create funny stories by building upon each others blurbs in limited time
- Integrated Facebook's Graph API to let users login and save stories
- Used web sockets to transfer game and player information in real time

**WhiteBoard** - Javascript, Handlebars, Node.js, Express.js, mongoDB

- Web app to create and collaborate on technical diagrams and drawing in real time (like google docs)
- Created smooth collaborative drawing experience by optimizing canvas data transfer in specific chunks and intervals

**NoteShare** - Angular.js, Node.js, Express.js, mongoDB

- MEAN stack web app to easily store, share and find class notes

### Android Development

**OfflineBling** - Android, Java, XML

- App to provides web services such as WolframAlpha and Wikipedia search using SMS (no Wifi or data connection used)
- Utilized the Twilio, WolframAlpha and MediaWiki APIs

**Priorify - Top 10 Hacks, EngHack 2015** - Android, Java

- Led a team of 3 to create an app to determine priority of user's tasks
- Created algorithm to determine priority of tasks based on parameters like due date, difficulty and loss on incompleton

## SKILLS

### Languages

Java, JavaScript, C/C++, Python

### Web Development

React, Angular, Backbone, Handlebars, ES6, Webpack, Babel, HTML5, CSS3

### Backend Development

Node.js, Express.js, Spark, Apache, mongoDB, MySQL

### Mobile Development

Android, SQLite

### Tools and Technologies

Android Studio, Git, Bash, Sublime Text, Pivotal Tracker

## EDUCATION

### Honours Bachelor of Software Engineering

University of Waterloo, ON  
2015 - 2020

## AWARDS

- University of Waterloo President's Scholarship
- University of Waterloo Alumni @ Microsoft Entrance Scholarship in Engineering

## ACTIVITIES

- Organizer of WearHacks Kitchner-Waterloo 2017 and TerribleHack III