Manpreet (Manny) Singh

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Professional & Personal Skills

- Passionate, motivated, and responsible software engineer who is a fast learner and team player.
- Strong communication and problem solving skills.
- Experience developing in numerous programming languages.
- Extensive knowledge in User Interface (UI) & User Experience (UX) concepts.
- Always curious to learn about new and upcoming technology.
- Ability to thrive when placed in a challenging environment.

Experience

Lenovo Software (2017 - present)
Full Stack Software Engineer (lenovosoftware.com)

Yikes (2015 - 2017)
Software Engineer (yikes.co)

- Worked in an agile-based environment to develop a mobile/RFID key access solution.
- Designed and developed two native Yikes iOS apps.
  - Guest App: https://itunes.apple.com/us/app/yikes/id537680360
    - Used to provide secure access to guest room and amenities via BLE.
    - Provide guest with detailed information about their reservation.
    - Give guests the option to share a key with another Yikes user.
    - AES-128 Encryption
  - Staff App
    - Central app used by staff to maintain the Yikes solution.
    - Provides over-the-air firmware updates.
    - Provides over-the-air RFID configuration updates.
    - Serve as the pipeline for sending reports from door hardware to the cloud securely.
    - Analytics for overall health of door firmware (# of doors that need firmware updates, # of doors with low battery, etc.)
    - Show most current battery readings for door hardware.
    - AES-128 Encryption
- Developed and maintained front-end written in EmberJS
- Developed and maintained back-end API written in NodeJS
- Hands-on experience working with custom firmware and BLE (Bluetooth Low Energy)

CourseNetworking (2013 - 2014)
Mobile Developer (thecn.com)

- Designed and developed the current native CourseNetworking iOS app. https://itunes.apple.com/app/id531484941
- Worked collectively with other interns to design a more modern and responsive design for CourseNetworking.
- Worked collaboratively with colleagues to produce the first native CourseNetworking Android app. https://play.google.com/store/apps/details?id=com.thecn.app
- Refined and consolidated existing applications to meet requirements and increase satisfaction of the end user.

AppDar LLC (2011 - 2013)
Software Engineer

- Designed client specific applications for iPad and iPhone. Provided contract based maintenance and upgrade services.
- Designed or worked with a designer to design the best UI/UX.
- Refactoring and structural designing of codes and scripts.
- Worked with and developed number of APIs that powered the apps.
- Worked collaboratively with agencies to develop apps for their clients.
- Selected Accomplishment:
  - Burn Journey iPad App: App designed to help children learn about bandage changes and the operating room (OR) experience. https://itunes.apple.com/app/id631056629

Independent Development Work
- Completed freelancing work with clients while in high school.

Education | Bachelors Degree in Computer Science, IUPUI. 2014
Academics Diploma, Whiteland Community High School. 2010

Accomplishments
- First place winner of 2013 SmartFile Platform Bake-Off for creating SmartClip, a Google Chrome extension that enables you to capture text, links, and images from articles and save them for later reading. Link to blog
  Repo: https://github.com/stemchan/smartclip
- First place in Angie's List Hack Day event. Created the first Google Glass app for Angie's List SnapFix. Link to blog
- Second place winner in FeedTheHack hackathon by Appirio for iOS app that allowed food truck customers to find their favorite food trucks throughout Indy. http://www.topcoder.com/blog/feedthehack-hackathon/
- AutoPi, django-based app for controlling RaspberryPi home automation system from the web. Allows user to turn lights, blinds, and door alarms on and off, immediately or on a schedule, as well as providing a remote video stream that can be accessed on the site. Repo: https://github.com/stemchan/AutoPi
- Placed top 10 in Nationals for BPA in the Web Development chapter.