Manpreet (Manny) Singh

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Professional & Personal Skills

- Quick learner, team player with strong communication and problem-solving skills.
- Proficient in various programming languages.
- Expertise in User Interface (UI) and User Experience (UX) design principles.
- Eager to explore new and emerging technologies.
- Thrives in challenging environments.

Experience

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

- Worked in a multi-team environment to develop software for large organizations and for K-12 schools.
- Led a team in developing Lanschool Air, a cloud-based software for monitoring and controlling student screens in classrooms: https://lanschool.com/solutions/lanschool-air
  - Managed integrations with Azure AD, Google Classroom, Clever, and ClassLink.
- Key contributor to the development of an AI-based on-task monitoring feature using Claude and other machine learning techniques.

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

- Developed a mobile/RFID key access solution in an agile environment, enhancing guest and staff experiences.
- Designed and developed the Yikes Guest App for iOS:
  - Enabled secure guest room and amenities access via Bluetooth Low Energy (BLE).
  - Provided guests with detailed reservation information and the ability to share room keys with other Yikes users.
  - Ensured data security using AES-128 Encryption.
  - https://itunes.apple.com/us/app/yikes/id537680360
- Created the Yikes Staff App for iOS:
  - Served as a central tool for staff to maintain the Yikes solution, including over-the-air firmware and RFID configuration updates.
  - Facilitated secure transmission of door hardware reports to the cloud.
  - Provided analytics on door firmware health, including updates needed and battery status, and displayed current battery levels of door hardware.
- Managed front-end development using EmberJS and back-end API development in NodeJS.
- Gained hands-on experience with custom firmware and Bluetooth Low Energy (BLE).

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

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.
- Worked with and developed number of APIs that powered the apps.
- Worked collaboratively with agencies to develop apps for their clients.

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.
  - https://mannybatth.github.io/manny.github.io/projects/smartclip
- First place in Angie's List Hack Day event. Created the first Google Glass app for Angie's List SnapFix.
  - https://mannybatth.github.io/manny.github.io/projects/snapfix
- Second place winner in FeedTheHack hackathon by Appirio for iOS app that allowed food truck customers to find their favorite food trucks throughout Indy.
  - https://mannybatth.github.io/manny.github.io/projects/indy-food-trucks
- 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.
  - https://mannybatth.github.io/manny.github.io/projects/autopi
- Placed top 10 in Nationals for BPA in the Web Development chapter.