SIDDHARTHA SANKASALA

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SUMMARY

- Oracle Certified Java Programmer, OCJP SE6.
- Proficient in Java, C++, PHP, Android Development, JavaScript.
- Published an android application on Google Play Store.
- Worked extensively on Front end web development.
- Well versed with latest technologies like AWS (S3, EC2).
- Experienced with JSON based REST web services.
- Frequent attendee of Hackathons and interested in open source development.

TECHNICAL SKILLS

- **Languages:** Java, C, C++, PHP, Python, JavaScript, Embedded C.
- **Web Designing:** HTML5, CSS3, REST APIs, XML, JSON, jQuery.
- **Frameworks and Libraries(Familiar with):** Drupal, React.js, Node.js, Angular.js.
- **Databases:** MySQL, SQLite, PostgreSQL.
- **Other Software:** IntelliJ IDEA, Android Studio, AWS, OpenMRS, Keil uvision, Flash Magic, SAP.
- **Version Control Systems:** Git, Subversion.
- **Operating Systems:** Mac OS X, Windows, MS DOS, LINUX.

EDUCATION

- **San Francisco State University** — Aug '14 – Dec '17
  M.S. in Computer Science in San Francisco, California, USA.
- **Jawaharlal Nehru Technological University** — Oct '10 - May '14
  B.Tech in Information Technology in G.R.R. Institute of Engineering and Technology, Hyderabad, India.

WORK EXPERIENCE

Web Developer, San Francisco State University Library — Feb '15 - Jan '16

- Created web content using HTML5, CSS3, PHP, Bootstrap Framework and successfully launched the latest version of SFSU's library website.
- Assisted with Library website maintenance, digital image processing, design, and web content creation. Updated existing web pages and created new Drupal based pages and content.
- Followed scrum methodology of development including weekly assignments and meetings with senior staff members of IT team of the Library and collaborated with Graphic Designers and Backend development teams.

Web Accessibility Evaluator, San Francisco State University — May '15 - Aug '15

- Tested websites utilizing assistive technology tools and devices for WCAG 2.0 success criteria and prepared detailed reports documenting identified violations with suggested solutions with code examples, based on the existing design.
- Studied and applied web accessibility evaluation tools like JAWS (Job Access With Speech) and processed accessible Adobe PDF documents using Acrobat Adobe.

Software Engineering Intern, Jay Robotrix Pvt. Ltd., Hyderabad, India — Aug '13 – Dec '13

- Worked as team lead of a team of 5 other interns that designed and developed an automated guided robot with temperature sensor.
- Embedded C and C++ were used to develop the robot. Obstacle sensor and LM 35 sensor(temperature) were used.
- UART was used for display, Flash Magic was used to deploy the software on the 8051 Microcontroller.

PROJECTS

My Portfolio

- Designed and developed a portfolio website that includes a detailed summary of my projects, work experience, education, skills and contact information.
- ReactJS, NodeJS, HTML5, CSS3, JavaScript were used for development.

PHP Tutorial

- Designed and developed an online tutorial website for learning PHP. HTML5, CSS, JavaScript, jQuery, PHP and MySQL were used for development.
- Admin feature included which allows modification of content on the website.

iSplit

- Designed and developed a mobile web application that uses Google Vision API for OCR (Optical Character Recognition) to read and split a bill into a list of items and add friends to each item and split the bill.
- Node.js and NPM were used as the platform software, React.js was used to create reusable components, client and server side programs were written in JavaScript to allow easy sharing of objects.

Profiler

- Designed and developed an android application that automatically activates user defined settings on the device based on the user's location, time of the day and amount of battery charge remaining in the device.

- Google Maps API, GeoFencing, Android services and preferences were used to detect when a user enters or leaves a location and services were used to check the battery percentage and time of the day.
- Published this application on Google Play Store.

Great Table

- Was the Technical lead of a team that designed and developed a website that allows users to search for restaurants based on their favorite locations or cuisines.
- MVC architecture was followed, AWS was used to deploy the website. Software Engineering processes and practices like collaborative and continuous development, Scrum meetings and Agile methodology were used.

Just Park It!

- Was the UI lead of a team that designed and developed an android application that displays available parking locations using the Google Maps API and parsing data from SFPark API.
- Data was stored to and retrieved from a SQLite database. Additional features like color coding of street cleaning data, search bar, radius filter to display parking locations, GPS status check, Layers of map, Add to favorites, Clear Markers were implemented.

COURSE WORK

Analysis of Algorithms | Software Engineering | Software Development with Java | Object Oriented Analysis and Design | Mobile Application Development | Introduction to Databases | Operating Systems