Arihant Sai **Paruchuru**

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SUMMARY

Passionate graduate student, seeking Software Engineering intern positions where I can work on solving interesting problems and contribute to organization's goals.

EDUCATION

MS in Software Engineering, San Jose State University, CA, USA **[Aug, 2018 - Current]**

BE in Computer Science, Shri Vaishnav Institute of Technology of Science, India **[Aug, 2013 - July, 2017]**

COURSEWORK UNDERTAKEN

Enterprise Distributed System, Enterprise Software Platforms, Software Systems Engineering, Data Structures, Analysis & Design of Algorithms, Database & management systems, Theory of Computation

SKILLS

Programming Languages : C++, JavaScript, Java, Python, Swift
Web Technologies : NodeJS, ReactJS, Redux, PHP
Mobile Technologies : Android, iOS
Databases : MySql, MongoDB
Cloud Technologies: AWS Lambda, AWS EC2, Heroku
Tools: VSCode, JUnit, JMeter, Apache Kafka,, Passport JS, Mocha JS
Interests : Web Development, Mobile Development, Data Structures & Algorithms

WORK EXPERIENCE

Software Engineer, HummingWave Technologies **[Sept,2017-June,2018]**
Technologies : Java, Swift, AWS Lambda, AWS Dynamo DB

- Developed Kryptographe application which syncs cryptocurrency transactions of the user across all cryptocurrency platforms and performs statistical analysis to provide insights to user on his transactions.
- Developed JAVA Lambda function which calculates user's cryptocurrency growth percentile against the users who are registered on the platform and provide graphical insight.
- Developed the backend in JAVA which helps in connecting any cryptocurrency trading platform via a single interface for obtaining transactions.
- Single handedly developed the iOS app of Kryptographe.

Software Engineer Intern, Walkover Web Solutions **[Aug,2017- Aug,2017]**
Technologies : PHP, Python, AWS EC2, AWS S3, MySQL

- Developed a logging module in PHP for the product MSG91.com which keeps log of every event happening from the time message was initiated until telecom operator gives a confirmation.
- Developed a Python script which reads the log module every minute and alerts the system if it encounters important error codes which needs to be informed to the organization.

Software Engineer Intern, Softinator Techlabs **[July,2016- Oct,2016]**
Technologies : PHP, Javascript, Android, MySQL, RTSP protocol

- Developed the native advertisement module for the android app Mantra FM which displays advertisements on the app based on owner's specifications.
- Developed the module's backend in PHP and frontend in Android which provides privileges to owner about what, when, whom to show the advertisement. It was effective in increasing the revenue of the radio station.
- Developed the module's frontend in android and implemented the module using queue to display advertisement on the phone.

ACADEMIC EXPERIENCE

HouseBooking, a replica of HomeAway **[Aug,2018-Current]**
Technologies : ReactJS, Node JS, MongoDB, Redux, Apache Kafka, BCrypt

- Developed a cloud based solution using heroku and Apache kafka as a messaging queue with a listing dashboard to lists property.
- Used mongoDB for improved searching experience on the website and MySql for transactional services.
- Designed own system of connection pooling which resulted in better interaction of the user with website.
- Used JMeter for successfully testing the API's.

Vehicle Renting Services, a replica of ZoomCars **[Feb,2017-April,2017]**
Technologies : PHP, Android, MySQL, Cloudinary, Heroku

- Developed a cloud based solution using heroku and Cloudinary as photo storage solution.
- Used MySQL for providing transactional and relational services.
- Used regex to improve search experiences and sendgrid as communication between user,owner and the application.
- Developed the android app for which connects to rest services using authentication module.

Artistic-Eye **[Jan,2016-March,2016]**
Technologies : PHP,Javascript, MySQL, Imagick

- Developed a client based image editor using php.
- It uses Imagick library which manipulates the images.