YASH SHAH

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SUMMARY

Aspiring software developer seeking full-time opportunities in the domain of cloud-based software development.

EDUCATION

Master of Science in Computer Engineering, Arizona State University   *May '19*
Bachelor of Engineering in Electrical Engineering, Maharaja Sayajirao University   *June '17*

TECHNICAL SKILLS

Languages:- Python, Java, C, Bash Scripting, SQL.
Operating Systems:- Linux, Zephyr RTOS, MacOS, Windows.
Frameworks:- Express**,** Spring, Apache Tomcat, Docker, Agile, REST APIs, XML, Tensorflow, VMWare.
Familiar with:- Microservices (SOAP, REST), Basic TCP/IP (DNS, Subnetting), OAuth, JUnit.
Tools:- Github, AWS EC2, Kubernetes, Google Compute Engine, App Engine, MongoDB, Cloud PubSub, MATLAB.

TECHNICAL PROJECTS

Cloud App for Object Detection of Video Streams   *Feb '19 -Mar '19*
- ❖ Created a Flask-based Python Web Application which would handle multiple requests from the user.
- ❖ Fetch video stream from URL upon user's request and store the log in MongoDB.
- ❖ Implemented a controller module which spins at most 20 AWS EC2 instances based on the user's requests.
- ❖ Demonstrated load balancing and autoscaling of the EC2 instances by scaling up/ down based on need.
- ❖ Processed requests using AWS SQS and stored the object detection results in AWS's S3 buckets.

Stock Price Trend Prediction Using Sentiment Analysis of Online News Headlines   *Oct '18-Dec '18*
- ❖ Developed Python Code for retrieving news headlines from Reddit and Microsoft stock prices for 10 years.
- ❖ Integrated SentimentIntensityAnalyzer to output Sentiment Polarity Scores based on the Vader lexicon.
- ❖ Developed Python code to implement MLP and Random Forests to predict the stock price trends.

Thread Programming and Device Driver Development in Zephyr RTOS   *Mar '18- May '18*
- ❖ Developed a distance sensor driver for collecting the distances (HC-SR04 ultrasonic sensor) and developed a I2C based EEPROM driver in Zephyr.
- ❖ Maintained a multithreaded C programming environment for concurrent data collection and recording to the EEPROM.

Augmented Reality Framework Library   *Oct '18- Dec '18*
- ❖ Built a Java Application which can perform pose estimation of objects using OpenCV.
- ❖ Implemented a virtual camera which would capture frames and feed it to the pose estimation.

EXPERIENCE

Google Cloud Platform Student Innovator, Google (via Vaco)   *Nov '17-May '19*
- ❖ Worked closely with the Google Cloud Platform teams to be the lead on campus.
- ❖ Organized trainings on Google Cloud Platform products such as Kubernetes Engine and Google Cloud APIs.
- ❖ Implemented demo projects using Google App Engine, Kubernetes Engine and Cloud Pub/Sub.

Summer Intern, Reliance Industries Limited   *June '16-July '16*
- ❖ Responsible for testing and debugging around 50 microprocessor relays employed in the captive plant.
- ❖ Worked close quarters with the electrical engineers to garner knowledge of the layout of the power plant.

CERTIFICATIONS

- ❖ Google Cloud Platform Fundamentals: Core Infrastructure (Coursera)   *No Expiration Date*
- ❖ Essential Cloud Infrastructure: Core Services (Coursera)   *No Expiration Date*
- ❖ Elastic Cloud Infrastructure: Scaling and Automation (Coursera)   *No Expiration Date*

LEADERSHIP AND EXTRACURRICULARS

Volunteer, Arizona Mentor Society   *Aug '17- Feb '18*
- ❖ Weekly mentored the fifth grade students of Thew Elementary and provided them help with their classwork.

Student Verification Supervisor, ASU Admission Services   *Dec '17- Sep '18*
- ❖ Managed and supervised over 50 students on how to data enter transcript information into PeopleSoft.
- ❖ Work close quarters with the manager to assist her in the training of the new student workers.