Parth Shah

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EDUCATION

New York University, New York (Master of Science, Computer Science)   **August 2018 - Present**
Coursework: Design and Analysis of Algorithms, Cloud Computing, Big Data   *GPA: 3.72*
D. J. Sanghvi College of Engineering, Mumbai (Bachelor of Information Technology)   **August 2011 - May 2015**
Coursework: Data structures, Database Technologies, Object Oriented Analysis and Design   *GPA: 3.82*

SKILLS AND TECHNOLOGIES

Programming Languages: C/C++, Java, PHP, JavaScript, UNIX Shell scripting
Databases / Datastores: MySQL, MongoDB, Redis, Oracle, DynamoDB, Solr, Teradata
Tools: Git, NGINX, Eclipse, Netbeans, SVN, XAMPP, Turbo C, AWS EC2, AWS S3, Lambda, Apache Kafka
Frameworks: NodeJS, Java Spring, Hadoop, Mapreduce, Spark

WORK EXPERIENCE

Morgan Stanley, New York – *Technology Summer Analyst*   **June 2019 – August 2019**
- Built a Dashboard for the operations team to get a **summary of client activities** from multiple systems. Used Bootstrap, Chart.js, Spring MVC, Ibatis framework to implement the tool.
- Incorporated a **D3.js timeline** for each client to show recent activities happened across all his accounts. Added filters like time range, types of activities & types of accounts to better understand the client's ongoing issues.

Tap Cube Studios, Mumbai - *Freelance Platform Engineer*   **April 2018 – July 2018**
- Responsible for setting up the **infrastructure on AWS**. Services installed - NodeJS, MongoDB and NGINX.
- Developed REST API's for games and tournaments using NodeJS and MongoDB.

CheckApp Healthcare Technology Pvt. Ltd., Mumbai - *Software Engineer – Backend*   **June 2017 – March 2018**
- Designed an application to **consume messages from Apache Kafka** and send it to a third-party API to create orders. Frameworks used: Express, JWT, mongodb, kafka-node, redis, solr-client, mysql, aws-sdk.
- Successfully **migrated six NodeJS microservices** from AWS DynamoDB to MongoDB.
- Developed and deployed an internal tool to send **production failures** over email.
- Created shell scripts and cron jobs for **automating the monitoring process** of NodeJS applications and services.

JPMorgan Chase & Co., Mumbai - *Technology Analyst*   **July 2015 – June 2017**
- Responsible for **enhancing the ETL process** of a critical application by adding new rules using Ab-initio and Unix.
- Designed the Job Requisition portal and created REST API's using Spring MVC as a part of the Innovation program.
- Successfully migrated an internal Marketing application from Struts 2 to Spring 3.
- Redesigned the task of **retrieving the lost records** during the real-time process by making an Ab-initio graph.
- **Upgraded 56 jobs** by migrating them to Control-M helping the Support team to monitor the processes efficiently.

Bombil Media (Now Mobcast), Mumbai - *PHP Intern*   **May 2014 – June 2014**
- Designed **PHP web services** for an internal employee communication application, "SmartChat".
- Created the Admin panel for managing the users, groups and their relationships.

PROJECTS

- **Oingo (Javascript, NodeJS, MongoDB)**
  A platform to share information based on temporal, social, geographical and keyword constraints. Users can publish short notes, link it to certain location and time. Others can receive notes based on their custom filters.
- **Razorpay (Javascript, NodeJS, MongoDB)**
  Implemented RazorPay Payment Gateway's 2 step process in HTML and NodeJS. The framework can be further used by businesses to collect, process and disburse payments through razorpay.
- **ISHS (Java Spring MVC, Oracle)**
  Built an active notification system, which could notify users about the real-time trading applications that are failing. Also shows possible repercussions each application could have on one another using dependency graphs.
- **Apriori Implementation in Hadoop (Java, Hadoop, Mapreduce)**
  Designed a system to implement the Apriori algorithm using a multi-node Hadoop cluster and save 21.23% of time as compared to the traditional approach.
- **ETL Tool (Java, MySQL)**
  A tool that extracts data from legacy applications, transforms them into a standard format and loads into MySQL.

ACHIEVEMENTS AND EXTRA-CURRICULARS

- Received the **'Stephen Hawking' award** at JP Morgan's Technology Analyst Program.
- Attained **1st position** out of 144 analysts for developing a dashboard at JP Morgan's Technology Analyst Program.
- Earned a **'SPOT Award'** for solving technical difficulties during Disaster Recovery event of a critical application.