Yash Shah

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PROFESSIONAL PROFILE

- Proficient thinker and meticulous problem solver with 3.5+ years of experience as a Software Developer.
- Experienced in Modeling and Integrating Cloud Platform with extended experience in successful project deployment and delivery.
- Dynamic professional with experienced in team as well as individual project execution and development.
- Proficient in Algorithms, Data Structure, Database Systems, Computer Networking, Distributed and Scalable Systems, Cloud Computing and Software Testing.

EDUCATION

M.S. Computer Science	The University of Texas at Arlington	May 2016
B.E. Computer Science	Gujarat Technological University, India	May 2014

TECHNICAL SKILLS

- **Programming Language**: Java, C#, PHP, Python
- **Web Technologies:** HTML5, CSS3, JavaScript, NodeJS, PolymerJS, Bootstrap, JSP
- **Database**: MSSQL, MySQL, mongo DB, DynamoDB
- **Frameworks**: NodeJS, PolymerJS, Weka, Hadoop, Spark, JUnit, D3.js, Spark
- **Cloud**: Azure, Amazon Web Service, Google Cloud Platform
- **Tools**: IntelliJ, Eclipse, Visual Studio Code, WebStorm

CERTIFICATION:

AWS Certified Developer - Associate - License: AWS-AWA-9033

WORK EXPERIENCE

Software Engineer- Motorola Solutions (www.motorolasolutions.com)   **Sept'17 – Present**

- Single-handedly created architecture of 4 different microservices while solving some critical performance issues and saw it till completion.
- Responsible for designing, developing, testing and deployment of REST based microservices using NodeJS framework. Develop Unit Tests which would be give nearly 100% code coverage.
- Used Azure CI/CD tools to deploy NodeJS microservices in Kubernetes cluster on Azure.
- Co-ordinated with four teams in 3 different geographically locations, USA, China and Poland while delivering assigned tasks in 2 weeks sprints.

Application Developer- Atos IT Solutions and Services (www.atos.net)   **July'16 – Sept'17**

- Main responsibilities were designing, development, implementation, and deployment of ITIL based processes with a technical focus on end to end implementation of business applications.
- Developing/integrating enterprise IT service management products with cloud platforms (AWS, Azure, Google Cloud Platform, VirtualStream and Apprenda) using Java and JavaScript.
- Developing technical solutions in custom framework for complex ITO by translating client's need into specific technical requirements.

Software Developer Intern – Bharti Consultancy Service, India (http://www.bcssarl.com)   **July'13 – May'14**

- Digitized the communication at the collage by developing interactive web-based tool working on Intranet and Internet, used by principal, head of the department, professors and students
- Made crawling based software to fetch the updates from the university website and to display that same on the Head of Department's Led Screen
- Learned the barriers between the implementation and imagination and how to tackle.
- Endorsed .NET framework with various APIs.
- Skilled in HTML, CSS, JavaScript, AJAX, jQuery, SQL Server 2008 R2

PROJECTS

- **Amazon Alexa Integration with ServiceNow**
  - o Used Amazon Alexa API to create an interaction model to request services to the system
  - o Used Amazon Lambda as engine to handle various requests to ServiceNow and provide backend support to Alexa interaction model
  - o Used ServiceNow REST API to perform necessary operations on ServiceNow
  - o Technology: Java, JavaScript, DynamoDB

- **Cloud Integration at Service Now instance**
  - o Worked on several Hybrid cloud platforms, while creating a single optimized Service Now instance to provision as well as do 2nd day management activity on all the Virtual Machines. Cloud platforms i.e.: Google Cloud, Microsoft Service Fabric, Virtualstream
  - o Created data model to support the integration.
  - o Created REST calls and API that would support the various functionalities provided by Cloud Providers inside ServiceNow.

- **Task Scheduler**
  - o Implemented Red-Black Tree using objects and Binary Heap using priority queue in Java
  - o Implemented UNIX task scheduler which would use Red-Black Tree and Binary Heap to schedule the incoming task
  - o Did experimentation using various outputs and analyzed both the algorithms and compared runtime of both algorithms
  - o Technology: Java

- **Health Informatics:**
  - o Worked on real world healthcare data to extract knowledge
  - o The system was useful to generate crucial relationships in real world using Association Rule Mining
  - o Association Rules were calculated from a dataset of 20000 items in csv format
  - o The calculation was done using JAVA library and JSP page was created to display the output

- **Hadoop Map-Reduce**
  - o Applied Apache's **Hadoop** Map-Reduce on a collection of 25-years of data and reduce it to conclude whether it is getting warmer or colder over that time span with respect to each season
  - o Used different Mappers and Reducers and analyzed the difference in time to reduce the data
  - o Technologies: Apache Hadoop, Java library to use Hadoop

- **Clustering and Visualization**
  - o Weather Dataset of more than 1 million lines was cleaned
  - o 3 Clustering Techniques K mean, FarthestFirst and EM Clustering were applied on the dataset using WEKA tool
  - o Visualization of clustering was done using Data Driven Documents (**D3.js**)
  - o Technologies: Java, JSP, JavaScript

ACTIVITIES AND INTERESTS:

- Won 2nd prize and People's Choice Award in 2018 Motorola Solutions' Hackathon.
- **Core team member** in **Prakarsh 2013** and **Event Co-coordinator** in **Prakarsh 2012**, a national level technical festival at SVIT, Vasad, India
- Avid interest in Table Tennis, represented school team in Table Tennis tournament