

# Yash Shah

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## PROFESSIONAL PROFILE

- Proficient thinker and meticulous problem solver with 3.5+ years of experience as a Software Developer.
- Technical expertise in architecting, developing, provisioning, unit testing, deployment, monitoring, management, and operations of projects.
- 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.

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## EDUCATION

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

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## TECHNICAL SKILLS

- **Programming Language:** C#, Java, Python
- **Web Technologies:** HTML5, CSS3, JavaScript, NodeJS, PolymerJS, Bootstrap
- **Database:** MSSQL, MySQL, mongo DB, CosmosDB
- **Frameworks:** NodeJS, PolymerJS, Weka, Hadoop, Spark, Junit, XUnit, D3.js, Spark
- **Cloud:** Azure, Amazon Web Service, Google Cloud Platform

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## CERTIFICATION:

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

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## WORK EXPERIENCE

**Software Engineer- Motorola Solutions** ([www.motorolasolutions.com](http://www.motorolasolutions.com)) **Sept'17 – Present**

- Instrumental in creating 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](http://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.bcssl.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

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- **Amazon Alexa Integration with ServiceNow**

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

- **Cloud Integration at Service Now instance**

- 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
- Created data model to support the integration.
- Created REST calls and API that would support the various functionalities provided by Cloud Providers inside ServiceNow.

- **Task Scheduler**

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

- **Health Informatics:**

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

- **Hadoop Map-Reduce**

- 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
- Used different Mappers and Reducers and analyzed the difference in time to reduce the data
- Technologies: Apache Hadoop, Java library to use Hadoop

- **Clustering and Visualization**

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

## ACTIVITIES AND INTERESTS:

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- Won 2<sup>nd</sup> 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