Redmond, WAASHUTOSH SINGH669-261-2485

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[ashutoshysingh.com](https://ashutoshysingh.com)

## EDUCATION:

## San Jose, CA San Jose State University Aug ‘16 – May ‘18

* **MS in Software Engineering** | Specialization in Enterprise Software Technologies | **GPA:** **3.74 / 4**

## WORK EXPERIENCE:

## Software Developer Zen3, Redmond Dec ‘18 – Sep ‘19

* Developed custom web and Teams application to track timelines, communication with clients using React
* Improved performance over previous solution by more than 200% while adding new features
* Worked on components used across Microsoft 365 products
* Developed chatbot to be used by internal Microsoft teams to communicate with a set of APIs

## Software Engineer Intern Icertis, San Jose Jun ‘17 – Aug ‘17

* Developed a chat bot using Microsoft Bot framework, deployed it on Azure and configured it for multiple channels.
* Worked on APIs to connect bot with product and Workday services

## Senior Software Engineer (1 Year) CitiusTech, Mumbai Aug ‘15 – Jul ‘16

* Analyzed logs to find and fix bugs, thereby reducing errors by 50%.
* Improved architecture for better maintainability and optimized code for performance by use of design patterns.

## Software Engineer (3 Years) Rolta and Paramatrix, Mumbai Aug ‘12 – Jul ‘15

* Designed application to improve approval processes in Department of Industries.
* Wrote REST services to integrate data from multiple databases and SharePoint services and built visualizations on them.
* Improved page load times by 100% from 3 secs to 1.5 secs in a public facing web application.
* Interfaced with customers to elicit requirements and built web applications.

## PERSONAL PROJECTS:

[**Dropbox Prototype (Java, Netty, Protobuf, Raft)** A close up of a logo

Description generated with very high confidence](https://github.com/virajnilakh/DistributedFileStorageAndSharing)**Spring 2017**

* Implemented distributed file sharing and storage system using Raft consensus algorithm.
* Addressed issues such as dynamic scalability, high availability, work stealing, task sharing, fault tolerance.

[**Starbucks Prototype (NodeJS, Python, MongoDB, AWS, Heroku)** A close up of a logo

Description generated with very high confidence](https://github.com/pshrutiii/aws-gateway)**Spring 2017**

* Built AWS infrastructure to accommodate server multi-tenancy, database server and frontend server.
* Implemented multi-tenant Starbucks REST API in Python and Node.js with MongoDB and three-node replication.

**Chat application with Chatify and React**

* Built AWS infrastructure to accommodate server multi-tenancy, database server and frontend server.
* Implemented multi-tenant Starbucks REST API in Python and Node.js with MongoDB and three-node replication.

**Animated book store built with jQuery, React and Vue**

* Built AWS infrastructure to accommodate server multi-tenancy, database server and frontend server.
* Implemented multi-tenant Starbucks REST API in Python and Node.js with MongoDB and three-node replication.

**WesBos project using React and GraphQL**

* Built AWS infrastructure to accommodate server multi-tenancy, database server and frontend server.
* Implemented multi-tenant Starbucks REST API in Python and Node.js with MongoDB and three-node replication.

**Smart Reply in Emails/ Analyze all emails/Threading app using C#/Something with Java Stack**

* Built AWS infrastructure to accommodate server multi-tenancy, database server and frontend server.
* Implemented multi-tenant Starbucks REST API in Python and Node.js with MongoDB and three-node replication.

**News feed/ Samachar**

## AWARDS AND CERTIFICATION:

* **Oracle Java Certification**
* **AWS Certification**
* **STAR of the team**: Awarded for consistent performance by CitiusTech in 2016.

**Skills:**

C#, SQL Server, Java, Spring Boot, Node.JS, Firebase, GraphQL, MongoDB, Redis, DynamoDB, Neo4j

JS ES6, React, Redux, HTML5, CSS3, Office UI Fabric, Vue, Vuex, Vuetify, D3, Material UI, Flexbox, CSS Grid

Azure, AWS, Docker, Kubernetes, OWASP, Web Performance, Microservices, Chatkit, Lucene, NLP, Query Optimization, Design Patterns