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ASHUTOSH SINGH

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San Jose, CA

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SUMMARY:

Graduate student and Full stack engineer with experience building web apps and services using Java, C#, Python, JavaScript, and PHP. Good in web development and debugging.

EDUCATION:

San Jose, CA

San Jose State University

Aug 16 – May 18

- **Master of Science in Software Engineering | GPA: 3.73 | Expected: May 2018**
- **Coursework:** Cloud Technologies, Software Design (Design Patterns, UML), Distributed Systems
- Bachelors in Computer Engineering | *Mumbai University*

Aug 07 – May 11

SKILLS:

Languages: Java, C#, JavaScript, Python, PHP, HTML5, CSS3, SQL

Web Technologies: jQuery, AngularJS, KnockoutJS, Underscore.js

Frameworks: ASP.NET MVC, ASP.NET, LINQ, Bootstrap, RabbitMQ, Netty

Databases: SQL Server, MySQL, PostgreSQL, Oracle 10g, Redis, MongoDB

Cloud Technologies: AWS, Docker

Web Services: REST, SOAP

Testing: JUnit, NUnit, Moq

Version Controls: Git, SVN, TFS

ACADEMIC PROJECTS:

Scalable and Distributed UML Parser Implementation (NodeJS, Java, AngularJS)

Spring 2017

- Setup AWS infrastructure to accommodate server multi-tenancy, database server and frontend server using Auto Scaling groups and Elastic Load Balancers.
- Designed relational database (AWS RDS) to provide data multi-tenancy using extension columns approach.

Distributed File Sharing and Storage (Java, Netty, Protobuf, Raft)

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.

Trip Planner (Python, JavaScript, Bootstrap, MySQL)

Fall 2017

- Integrated Google Maps, Uber, Lyft, Open Weather, Flickr APIs for comparing prices for a specified route

Catch Me If U Can (Java, AWS, Docker)

Fall 2017

- Implemented multiplayer game on Greenfoot to teach Binary Search via a game using design patterns
- Utilized Restlet framework for communication between client on host machine and AWS server on the cloud

WORK EXPERIENCE:

Software Engineer Intern

Icertis

Jun 17 – Aug 17

- Developed a chatbot using Microsoft Bot framework and deployed on Azure
- Configured different channels like Skype, Slack, Teams, Text and Email
- Worked to integrate software with Workday services

Senior Software Engineer

CitiusTech

Aug 15 – Jul 16

- Implemented Microsoft Code Analysis rules, fixed bugs and optimized code for performance
- Upgraded code for better maintainability by use of design patterns, reduced errors in application by 50%

Software Engineer L2

Rolta India

Nov 14 – Jul 15

- Designed application to improve approval processes in Department of Industries
- Wrote REST services to pull data from multiple databases and SharePoint services

Associate Software Engineer

Paramatrix Technologies

Aug 12 – Nov 14

- Built a solution to keep track of certifications done by employees and provide statistics
- Improved page load times by 100% from 3 sec to 1.5 sec
- Programmed application used by Reliance Jewels outlets throughout the nation

CERTIFICATIONS:

- **MCSD:** Web Applications (Microsoft - Aug 2014)

AWARDS:

- **STAR of the team:** Awarded for consistent performance by CitiusTech in 2016
- **First prize:** Awarded for original idea at IBM Technical Event held at VJTI