

San Jose, CA
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ASHUTOSH SINGH
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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
<ul style="list-style-type: none">Master of Science in Software Engineering GPA: 3.73 Expected: May 2018Coursework: Cloud Technologies, Software Design (Design Patterns, UML), Distributed SystemsB.E. in Computer Engineering <i>Mumbai University</i>		
		Aug 07 – May 11

SKILLS:

Languages: Java, C#, JavaScript, Python, PHP, HTML5, CSS3, SQL	Cloud Technologies: AWS, Docker
Web Technologies: jQuery, AngularJS, KnockoutJS, Underscore.js	Web Services: REST, SOAP
Frameworks: ASP.NET MVC, ASP.NET, LINQ, Bootstrap, RabbitMQ, Netty	Testing: JUnit, NUnit, Moq
Databases: SQL Server, MySQL, PostgreSQL, Oracle 10g, Redis, MongoDB	Version Controls: Git, SVN, TFS

ACADEMIC PROJECTS:

<i>Scalable and Distributed UML Parser Implementation (NodeJS, Java, AngularJS)</i>	Spring 2017
<ul style="list-style-type: none">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.	
<i>Distributed File Sharing and Storage (Java, Netty, Protobuf, Raft)</i>	Spring 2017
<ul style="list-style-type: none">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.	
<i>Trip Planner (Python, JavaScript, Bootstrap, MySQL)</i>	Fall 2017
<ul style="list-style-type: none">Integrated Google Maps, Uber, Lyft, Open Weather, Flickr APIs for comparing prices for a specified route	
<i>Catch Me If U Can (Java, AWS, Docker)</i>	Fall 2017
<ul style="list-style-type: none">Implemented multiplayer game on Greenfoot to teach Binary Search via a game using design patternsUtilized 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
<ul style="list-style-type: none">Developed a chatbot using Microsoft Bot framework and deployed on AzureConfigured different channels like Skype, Slack, Teams, Text and EmailWorked to integrate software with Workday services		
Senior Software Engineer	CitiusTech	Aug 15 – Jul 16
<ul style="list-style-type: none">Implemented Microsoft Code Analysis rules, fixed bugs and optimized code for performanceUpgraded code for better maintainability by use of design patterns, reduced errors in application by 50%		
Software Engineer L2	Rolta India	Nov 14 – Jul 15
<ul style="list-style-type: none">Designed application to improve approval processes in Department of IndustriesWrote REST services to pull data from multiple databases and SharePoint services		
Associate Software Engineer	Paramatrix Technologies	Aug 12 – Nov 14
<ul style="list-style-type: none">Built a solution to keep track of certifications done by employees and provide statisticsImproved page load times by 100% from 3s to 1.5sWrote 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