ASHUTOSH SINGH

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SUMMARY

Full stack developer with 5+ years of work experience in building web applications using C#, JavaScript, HTML5 and SQL.

EDUCATION

San Jose, CA   **San Jose State University**   **Aug 16 – May 18**

- Masters in Software Engineering | **GPA: 3.7**
- **Coursework:** Software Design (Design Patterns, UML), Distributed Systems, Enterprise Application Development
- B.E. in Computer Engineering | Mumbai University   **Aug 07 – May 11**

SKILLSET

Languages: C#, JavaScript, HTML5, CSS3, SQL   **Cloud Technologies: Azure,** AWS, Docker

Web Technologies: React, jQuery, Knockout.js   **Web Services:** REST, SOAP

Frameworks: ASP.NET MVC, ASP.NET, LINQ, Bootstrap, RabbitMQ   **Testing:** ReSharper, NUnit, Moq

Databases: SQL Server, MySQL, PostgreSQL, Oracle 10g, Redis, MongoDB   **Version Controls:** Git, SVN, TFS

WORK EXPERIENCE

Software Engineer   **Zen3 (Microsoft)**   **Dec 18 – Curr**

- Implemented Teams integrated web app for customer dashboards
- Implemented npm widget for integrating with multiple projects

Software Engineer   **Icertis**   **Jun 17 – Aug 17**

- Implemented chatbots and integrated it with services

Senior Software Engineer   **Citius Tech**   **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**

- Created reusable jQuery components in the application
- Wrote REST services to pull data from multiple databases

Software Engineer   **Paramatrix Technologies**   **Aug 12 – Nov 14**

- Implemented a solution using jsTree library, optimizing the workflow of the dashboard
- Coded a solution to keep track of certifications done by employees and provide statistics
- Optimized pages for faster load times, resolved bugs and set up build processes

ACADEMIC PROJECTS

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

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

Trip Planner (Python, JavaScript, Bootstrap, MySQL)

- Integrated Google Maps, Uber, Lyft, Open Weather, Flickr APIs for comparing prices for a specified route
- Achieved robust handling of REST requests by building Python services

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

- 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

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 Technovanza 2010