ASHUTOSH SINGH

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SUMMARY

Full stack developer with 4 years of work experience in building desktop and web applications using Java/C#, Python, JavaScript, PHP, HTML5, CSS3 and SQL seeking an internship for summer.

EDUCATION

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

- Masters in Software Engineering | **GPA: 3.9**
- **Coursework:** Software Design (Design Patterns, UML), Distributed Systems, Enterprise Application Development
- B.E. in Computer Engineering | Mumbai University   **Aug 07 – May 11**

SKILLSET

Languages: Java, C#, JavaScript, Python, PHP, HTML5, CSS3, SQL   **Cloud Technologies:** AWS, Docker

Web Technologies: jQuery, Angular, Knockout.js, Underscore.js, DataTables.js   **Web Services:** REST, SOAP

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

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

ACADEMIC PROJECTS

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

- Currently Implementing 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

Sherpa Marketplace (PHP, JS, Heroku, HTML5, CSS3)

- Designed a modern web marketplace using best practices and deployed on Heroku
- Pulled data from 5 different REST APIs using PHP and provided product recommendations to user

Crime Report (Python)

- Implemented code to create an API to get unsafe places near the user location
- Analyzed frequency as well as severity of crimes to classify unsafe places

WORK EXPERIENCE

Senior Software Engineer   **Citius Tech**   **Aug 15 – Jul 16**

HCHB R2 (C#, Design Patterns, REST, SQL, PowerShell)

- 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%
- Developed processes and tools to make daily work of other developers easier

Software Engineer L2   **Rolta India**   **Nov 14 – Jul 15**

ERIMS (JavaScript, jQuery, C#, Web API, SQL, ASP.NET MVC, SharePoint)

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

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

Sales Transaction and Analysis (C#, JavaScript, ASP.NET MVC)

- Implemented a solution for tracking sales using jsTree library, optimizing the workflow of the dashboard
- Built a solution to keep track of certifications done by employees and provide statistics
- Improved page load times by 100% from 3s to 1.5s

Angel Eye (JavaScript, C#, SQL, WCF, ASP.NET MVC)

- Added new features and handle change requests

Gold Point of Sale (C#, jQuery, ASP.NET MVC, SQL)

- Wrote 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 Technovanza