

# Rohit Sud

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## SUMMARY

- Backend Software Engineer with over 13 years of industry experience.
- Experienced in shipping features for products operating at large scale like Azure, OneDrive and Qualtrics.
- Adept and creative at evaluating technologies for use in the product or for debugging issues.
- Ability to learn new technologies and development practices with ease while ensuring timely delivery of features with high quality.

## PROGRAMMING LANGUAGES

NodeJS, JavaScript, AngularJS, C, C++, Java, C#, SQL

## WORK EXPERIENCE

### Qualtrics, Seattle, WA

*Backend Engineer (Statwing)*

April 2021– Present

- Wrote backend infrastructure code for running untrusted user code in isolation on AWS.

*Full Stack Developer (Tickets/Vocalize)*

January 2017– March 2021

- Wrote REST APIs for the [Tickets](#) app using Restify and NodeJS.
- Implemented 2-way email functionality for Tickets; a major ask by a nationwide TV provider. About 300 support representatives work full-time using this feature.
- Led the team in increasing API test coverage from zero to coverage for all endpoints.
- Designed and implemented Authorization support for Tickets.

### Microsoft Corporation, Redmond, WA

*Software Development Engineer (Windows Azure)*

September 2012 – January 2017

- Wrote scalable REST APIs for IaaSVMs in the [Azure Runtime](#) team.
- Worked in Content Distribution Network team ([Azure FrontDoor](#)) on porting code to run on VMs and making performance (CPU) and throughput (Network) measurements when running on VMs.
- Worked in Azure CloudDNS on the VNext of the [Azure Traffic Manager](#). Implemented the rules engine that used static and live metrics to direct traffic to the optimal IP address using DNS.

*Software Development Engineer (Windows Live Mesh/SkyDrive)*

July 2009 – August 2012

- Implemented the API interface allowing the SkyDrive client to talk to the SkyDrive cloud.
- Responsible for the Peer-to-Peer file transfer protocol in [Windows Live Mesh](#).

### Intel, Hillsboro, OR

*Graduate Research Intern (Media Architecture and Driver Group)*

September 2008 – December 2008

- Worked on implementing motion estimation algorithm on NVidia CUDA.
- Made comparative studies regarding factors like performance and usability.

**Manhattan Associates**, Atlanta, GA

*Graduate Intern*

May 2008 – August 2008

- Worked on developing a monitoring framework using Java Management Extensions using Websphere and J2EE.

**Microsoft India Development Centre**, Hyderabad, India

*Software Design Engineer (Education Products Group)*

July 2006 - July 2007

- Worked using .NET 3.0 and Windows Presentation Foundation with C# as primary language.
- Worked towards designing User Interface elements in software for its basic functioning using XAML and C#.
- Involved in the development of the first version of a yet to be released education product, [Microsoft Grava](#).
- Worked on MultiPoint SDK, which allows the use of multiple input devices on a single PC.

**Trilogy E-Business Solutions**, Bangalore, India

*Intern - Junior Trilogy University (JTU) program*

June 2005 - August 2005

- Primarily used C++ and bit of Java. Used lex and yacc as tools to build a compiler for business rules language called Configuration Modelling Language (CML).

## EDUCATION

- **Masters in Computer Science** from **Georgia Institute of Technology**, Atlanta, GA, (2007-9), GPA **4.00** Concentrated on Computer Architecture, Computer Graphics, Software Engineering and Network Security.
- **Bachelor of Engineering** (Computer Engineering) from the **Netaji Subhas Institute of Technology, University of Delhi**, New Delhi (2002-6), Secured 86.29%.

## AWARDS/ACHIEVEMENTS

- **University topper** for the year 2006 and consistent department topper and recipient of the President's Gold Medal (**University of Delhi**) and Institute Merit Scholarship in all sessions. Also received the Institute Silver Medal for being the topper of the Computer Engineering department.
- Recipient of the L Jogeshwar Nath Gold Medal (for being the **Best Candidate in Technical Education**), **University of Delhi** (2007).
- Successfully cleared till the semi-final stage of **Code4Bill** competition (one of top 50 candidates) organised by **Microsoft India**. (2006).