

Rahul Ghose

Son of. Arup Kumar Ghose

Nationality: Indian

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Career interests:

To innovate and solve problems in a challenging environment.

Educational Qualifications:

M.Tech. (Specializing in Information Technology, Dept. of CSE)	National Institute of Technology, Durgapur	7.4	2011-13
Bachelor's Degree (B.Tech in Computer Science and Engineering)	Government College of Engineering and Ceramic Technology, Kolkata	8.2 GPA	2007-11
Class XII (ISC)	St. Thomas' Church School Howrah	75.33%	2006
Class X (ICSE)	Augustine's Public School	86.17%	2004

Skills:

Programming algorithm intensive and in obfuscated languages, Debugging and Reverse Engineering. I have worked with Python, ReactJS, Java, Ruby, Go (golang), Nodejs and Shell Scripting (bash).

Work Experience / Projects:

Working remotely as a Software Engineer with dresslife GmbH, since March 2020, an AI based start-up with technologies like Python, Cassandra, Elasticsearch and Docker.

Worked as a Software Engineering **Vice-President** in the Technology Division of **Goldman Sachs Services** from August, 2017 to March 2020. Worked on technologies like Slang, SecDB, Java, ReactJS and Elasticsearch, to create a trade booking application from scratch. I was leading this team of 3 engineers.

Worked from January 2017 to July 2017 as **Software Engineer** with **BrowserStack Software**, which involved developing the real mobile device cloud platform.

Created the iOS 10+ non-jailbroken platform for real mobile device cloud. Part-ownership of the platform code (in Ruby / Python / Bash) and configuration management setup (via ansible).

Worked as a Software **Engineer** with **Flywheel (flywheel.com)**, between April, 2015 and January, 2017. I worked on the entire stack with various contributions in Golang based micro-services, RubyOnRails based applications, NodeJS and on AngularJS based applications as well. Built a Java+SOAP based tool from scratch.

My first job was at **Directi (Media.net)**, from July, 2013 upto March, 2015 as a DevOps Engineer.

Implemented a fully functioning search and reporting service with Python (Flask) based front-end and MySQL Full Text Search. Used puppet services. Single Sign On Project: Implemented Single SignOn infrastructure at Media.net, based on Active Directory logins, Multi-factor authentication with One Time passwords using SMS Gateways and e-mails. Developed an OpenAM plugin during this period in Ruby.

M.Tech Project: Working on Geodesic-Voronoi Diagrams on 2D Planes in C++ and boost

Independent projects-

1. Developed a Java Run Time Tracer to debug Java Applications.
2. Slickers, C++ based multi-threaded (pthreads) treasure hunt game server and CUI client.
3. ReProg, software uninstaller with plug-in support. Platform - Visual C++ 6.0
4. ProcList, process manager, improvises upon Windows task manager. Platform - Visual C++ 6.0
5. Discovered a vulnerability in commercial security software (Folder Lock v5.8.5), coded an exploit.

Languages known:

English (Speak, Read, Write), Bengali (Speak,Read,Write), Hindi (Speak,Read,Write)

Achievements:

1. Qualified for ACM-ICPC Amritapuri All Asia On-Site Programming Contest via Online Qualification Round, 2009.
2. Won various programming contests at IIT Kharagpur, IIT Guwahati, Jadavpur University, IEST (erstwhile B.E.S.U.) Shibpur, NIT Durgapur, et cetera.

Extra Curricular:

1. Played Chess and had a maximum Elo Rating of 2054. I have represented the “West Bengal Chess Association” (state association) in the Indian National U-12, U-14 Chess Championship.
2. I was the convener of Techtroniks 2010, the Technical festival of my college GCECT. I organized a programming and hacking contest.
3. Was the President of my school (XI-XII) science club. Won 1st prize in the Quanta International School competition for Mental Ability.