

# Avishek ARORA

## Senior Software Engineer

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📍 Noida, India



Software Engineer with 4+ years of experience in designing, developing and delivering flawless software solutions with core focus on scalability and cloud transformation. Good hands on experience with Data Structures, Algorithms, Web & Cloud Architecture.

## COMPETENCIES

|                  |  |
|------------------|--|
| Programming      | C, C#, JavaScript, Python, HTML & CSS  |
| Frameworks       | .NET (MVC & Core), ReactJS, AngularJS, Django  |
| Databases        | Microsoft SQL Server, Azure SQL, Microsoft Table storage, MySQL, PostgreSQL  |
| Cloud Services   | Elastic Search (ELK), Redis Cache, <b>Azure</b> (App Service, Blobs, BotService, EventHub, Message-Queue, Search, Pipelines, Virtual Network), <b>AWS</b> (RDS, S3, Route53) |
| Middleware       | GraphQL, OWIN  |
| Machine Learning | TensorflowJS, Keras, sklearn, Numpy, Pandas  |

## PROFESSIONAL EXPERIENCE

|                               |  |
|-------------------------------|--|
| Present<br>January 2020       | <b>Senior Software Engineer   GlobalLogic, NOIDA, India</b> <ul style="list-style-type: none"><li>➤ Developed E-Proctoring system uses machine learning to detect and track user behavior during exam.</li><li>➤ Replaced old apis (wcf and .net framework) with .Net Core and micro services architecture, including graphql middleware layer.</li><li>➤ Replaced old wordpress based portals with ReactJS based SPA apps.</li><li>➤ Added SAP crystal Reports for billing</li></ul> <div><span>.NET CORE</span> <span>ReactJS</span> <span>SQL SERVER</span> <span>NHibernate</span> <span>TENSORFLOW.JS</span> <span>AZURE QUEUE</span> <span>GRAPHQL</span> <span>Django</span></div>  |
| December 2019<br>October 2017 | <b>Software Product Engineer   OmniCX / Axtrum Solutions, NOIDA, India</b> <ul style="list-style-type: none"><li>➤ Implemented E-Commerce Core API using Micro Service Oriented Architecture and Transaction based distributed system using Decoupled Queue, Redis Cache &amp; Webhooks.</li><li>➤ Replaced ElasticSearch Engine with Azure Search with enables faster front end rendering and smart options.</li><li>➤ Single Sign On [SSO] for more then 30+ Modules using customHMAC and OAuth 2.0 Authentication Module.</li><li>➤ Designed and developed analytics engine for ecommerce KPI's Analysis and Prediction.</li><li>➤ Designed robust big data system consume 1M req/sec using azure event hubs</li><li>➤ Customer 360, AI Recommendation Engine using Azure ML Labs, Dynamic Product Reviews using Azure Sentiment Analysis, Demand Forecasting, Price Optimisation and Customer Personalisation and Segmentation.</li></ul> <div><span>.NET MVC</span> <span>.NET API</span> <span>ANGULARJS</span> <span>AZURE</span> <span>SQLSERVER</span> <span>ELASTIC SEARCH</span> <span>REDIS CACHE</span></div> |
| October 2017<br>January 2017  | <b>Trainee Software Engineer   TechArtist Pvt. Ltd., DELHI, India</b> <ul style="list-style-type: none"><li>➤ Worked on .net MVC based delivery management portal that uses signalR for continues connection with moving devices.</li><li>➤ Dashboard implementation using Angularjs and chartJS</li><li>➤ Brainstroming idea's to thier implementation in agile environment.</li><li>➤ Take techinal interview and Conduct technical training session for new recruits.</li></ul> <div><span>HTML</span> <span>CSS</span> <span>Bootstrap</span> <span>JQuery</span> <span>.NET MVC</span> <span>Visual Studio</span></div>   |
| January 2017<br>July 2015     | <b>Programming Instructor   ACC Pvt. Ltd., GHAZIABAD, India</b> <ul style="list-style-type: none"><li>➤ Curate programming problems for all level of olympiads.</li><li>➤ Take C, C++ and Java Classes for intermediate and undergrad students.</li></ul> <div><span>C</span> <span>Data Structures</span> <span>Algorithms</span></div>   |

## EDUCATION

|      |   |
|------|---|
| 2017 | B.Tech Computer Science Engineering - Noida International University, Greater Noida |
| 2013 | Senior Secondary School (Intermediate) - Dehradun Public School, Ghaziabad          |
| 2011 | High School - Ghaziabad Public School Ghaziabad                                     |

## LANGUAGES

English ● ● ● ● ○  
Hindi ● ● ● ● ●

## MILESTONES

- > 3 Spot Awards - GlobalLogic
- > 2 Thankyou Awards, 1 Pat on the Back - OmniCX
- > Star Rookie Of the year - OmniCX
- > Rank 1 in CS50 Hackathon - Harvard University

## PROJECTS

### CODELAB

2021-PRESENT

 [github.com/https://github.com/avi-arora/codelab](https://github.com/avi-arora/codelab)

Online Judge for Peer Programming, Mock Interview and MOOC programs, Initial framework for Elearning platform

Python Django ReactJS Javascript Docker

### DE-ALLOC - GARBAGE COLLECTOR FOR C RUNTIME

2017-2019

 [github.com/https://github.com/avi-arora/de-alloc](https://github.com/avi-arora/de-alloc)

De-alloc is a well designed general purpose memory allocation library that uses standard C memory allocation library and implements handlers to add new functionalities like debugging, overwrite detection, current memory statistics etc. it reduces the complexity of a large scale allocator like jemalloc and tcmalloc, it uses simple data structures and minimises the cache miss ratio by half using custom designed cache centric architecture.

C

## PUBLICATION

- > **Protecting Advance Technologies' Privacy Through Open Sources.** Avishek Arora, VSRD International Journal of Technical and Non-Technical Research. e-ISSN:0976-7967, p-ISSN:2319-2216.
- > **Advancement of Technology Open New Gates For Public Surveillance : Technological Aspects of privacy.** Avishek Arora, NIU Journal Of Science and Technology