

AMIT KUMAR

Full stack software professional
(React | Angular | Java | Spring | AWS | Databases)
at Amazon

Contact

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Core Competencies

- ✓ Requirement Analysis
- ✓ Data Structures & Algorithms
- ✓ Full stack system design and dev
- ✓ Amazon web services
- ✓ Performant system designs
- ✓ End user focus from start
- ✓ Creativity and innovation
- ✓ Post Implementation Support

Profile Summary

- ❖ Software professional with **5.5 years** of experience in system design and software development across Banking and Advertising domains at **Amazon, Morgan stanley and Adobe.**
- ❖ Proficient in **Angular/React web development ecosystem**
- ❖ Skilled in **server side technologies** like **Java, Spring, Spring boot, Object Oriented Design**
- ❖ Hands-on experience in **Amazon web services, Relational and NoSQL Databases**
- ❖ Expert in **Data structures, Algorithms and system design**

Education

- ❖ M. Tech. (Software Engineering) from **Delhi Technological University** with 8.10/10 CGPA (till 3rd semester) in 2014
- ❖ B. Tech. (Computer Science & Engineering) from **IIT Varanasi** with 7.21/10 CGPA in 2009

Academic Achievements

- ❖ Received "**Best innovation award**" in the Technex 2007, the Annual National Tech festival of IIT-Varanasi
- ❖ Scored 99.12 percentile in GATE 2012 & 99.19 percentile in GATE 2009
- ❖ Attained 1702 among 2 lac students in IIT-JEE 2005

Notable Accomplishments

- ❖ **Asset analysis tool** for Amazon Advertising team, which received **Innovation sprint prize** at Amazon advertising org in Nov'18
- ❖ **A very well appreciated Google Map integrated web application** for Morgan Stanley Real Estate Investments (Similar to 99acres)
- ❖ Feature **rich AngularJS grid** for maintaining 1.5 million records at UI with 2 second response time for sorting, searching and paging.

Skill Set

Server, Cloud and Database Technologies

- ❖ **Java:** Core Java, Java8, **Spring Core, Spring JDBC, Spring Rest, Spring Boot, Spring Cloud**, Hibernate, JMX, Junit, Mockito, JHipster
- ❖ **Amazon web services:** EC2, Lambda, API Gateway, Dynamo DB, S3, RDS, Route 53, SNS, SQS, SES, EMR
- ❖ **Object Oriented Design**, Design Patterns, Gradle, Ant
- ❖ **ELK Stack:** Elastic search, Logstash, Kibana.
- ❖ Schema Design & Manipulation, Data CRUD, Stored procedures
- ❖ **MongoDB, Dynamo DB**, Elasticsearch, Sybase

Web Technologies

- ❖ **React, Angular, Typescript, ES6, JavaScript, Redux, jQuery**
- ❖ **Angular-cli, yarn, npm**
- ❖ **Twitter Bootstrap, HTML, CSS, CSS3, Sass**
- ❖ **Webapp Deployment:** Apache Web Server, S3, CDN using Cloud Front
- ❖ **E2e Automation Testing:** Selenium web driver

Tools

- ❖ **Development:** IntelliJ Idea Ultimate, Eclipse, Visual studio Code, VisualVM JMX
- ❖ **Database:** SQL Server Management Studio, DBArtisan
- ❖ **Software Lifecycle:** Git, SourceTree, Github, Perforce, Jira, Crucible, Agile, Scrum, Sprint
- ❖ **Continuous Integration:** Jenkins, Circle CI
- ❖ **Troubleshooting:** Splunk, ELK Stack (Elastic search, Logstash, Kibana) stack, Chrome developer tools
- ❖ **Platforms:** Windows, Mac, Linux, Shell scripting

Organizational Experience

Oct'18 - Present

Amazon, Bangalore, India as SDE-2

Role

- ❖ **Received Innovation sprint prize for development of Asset analysis tool** for testing the incoming ad images against amazon policies.
- ❖ **Spiked and implemented ELK (Elastic search, Logstash, Kibana) stack** for Amazon managed advertising team for efficient discovery and analysis of application logs.
- ❖ Contributed to Web and backend development of components and workflows of Amazon advertising web application.
- ❖ Contributed to Automated UI testing of Amazon advertising web application using selenium web driver.

Aug'14 – Sep'18

Morgan Stanley, Mumbai, India as Senior Associate

Role

- ❖ **Designed and led development of UI of Angular 5 web application** capable of maintaining trade path reference data.
- ❖ **Designed and led development of a Google Map integrated Angular 1 web app** for Morgan Stanley Real estate investments visualization.
- ❖ Designing, writing and maintaining java API's and relational databases to support our web application features.
- ❖ Investigated and implemented continuous integration and delivery of web applications.
- ❖ Writing generic and reusable solutions, which were used across projects. E.g. writing a general-purpose reflection-based java library to turn a java iterable into an excel report with help of a configuration object.
- ❖ Participating in the **development and review of business** and system requirements to obtain a thorough understanding of business needs in order to deliver accurate solutions.
- ❖ Performing **code reviews and UAT** as needed; debugging, testing and shipping code.

May'09 – Dec'09

Adobe Systems, Noida as Member of Technical Staff

- ❖ Automated the mechanism to add peer review comments on violation of Adobe code policy against new perforce check-ins using code collaborator API. The tool enhanced error free, fast and reliable review against adobe code policies, which **resulted in reduction of memory leaks in Adobe acrobat and other Adobe products.**
- ❖ Developed and deployed a Bugbot using Perl for detecting unallocated bugs for a particular project and reporting to management.