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

❖ <u>Development</u>: Intellij Idea Ultimate, Eclipse, Visual studio Code, VisualVM JMX
❖ <u>Database</u>: SQL Server Management Studio, DBArtisan
❖ <u>Software Lifecycle</u>: Git, SourceTree, Github, Perforce, Jira, Crucible, Agile, Scrum, Sprint
❖ <u>Continuous Integration</u>: Jenkins, Circle CI
❖ <u>Troubleshooting</u>: Splunk, ELK Stack (Elastic search, Logstash, Kibana) stack, Chrome developer tools
❖ <u>Platforms</u>: 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.