Dinesh Vijayakumar

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Courses & Certifications

- Coursera: **Kotlin for Java Developers** - Aug 2021, **Behavioral Finance** - Dec 2017

- Java: Sun Certified Java Profession-5.0, June 2009, Credential ID - SR5715191

Technical Skills

- **Languages**: Java, Kotlin

- **Build tools**: Apache Ant, Gradle

- **Cloud Computing**: AWS

- **Developer Tools**: Git, IntelliJ, VS Code, Docker

- **Big Data Technologies**: Apache Spark, EMR, S3, Apache Parquet

- **Frameworks**: DI(Guice, Dagger), Junit, TestNG

Education

B.E. Computer Science Engineering 2011, Government College of Technology(GCT) Coimbatore, India

- Operating Systems, Data Structure and Algorithms, Web Services, Computer Networks, Artificial Intelligence

Academic Achievements

- Graduated with Distinction in B.E with a CGPA of 8.98/10.

- Received **Best Student** award from Tata Consultancy Services for excellent academic record at GCT, Coimbatore.

Awards

- Last Mile Defect Destroyer - 2017 for improving code quality and developing a command-line (CLI) tool for troubleshooting application failures.

- Srujan Contest 2011 - 2nd Prize for implementing the idea titled *Product Recommendations through Social Network* with a prototype.

Experience

Senior Software Development Engineer, DC Tech, 2021 - Present, Bangalore, India
Developing a Warehouse Management System to support bulk fulfillment of Grocery and Amazon Warehousing & Distribution(AWD) supply chain networks through Distribution Centers. Specfically focusing on the following domains besides leading the org-wide Operational/Engineering Excellence Initiative.

- Produce Grading

- ICQA

- Problem Solve

Sr. SDE, Amazon AI - CodeGuru, 2019 - 2021, Seattle, WA, US
Worked on the Code Guru Reviewer Service to enable following capabilities.

- Bitbucket Support - April 2020

- GA Launch - May 2020

- CI/CD Vendor Integration (GitHub Actions) - April 2021

Sr. SDE, Amazon - Last Mile Technology, 2015-2019, Seattle, WA, US

- Enabled Automated Surge Pricing to hire Delivery Partners(DP) for delivering Prime Now and Amazon.com orders with cost savings of **11 cents** (surge cost per hour) on average.

- Led the initiative **Last Mile Data Lake** to build a cost-effective solution with estimated savings of 700k $ by having teams move away from using AWS Redshift.

- Automated the invoicing and disbursement of payments for Delivery Service Providers(DSP), processing MM of dollars every month.

SDE, AWS - Elastic Block Store(EBS), 2014-2015, Seattle, WA, US

- Enabled Idempotency Support for EBS Volume API and developed Server Isolation Workflow to remove faulty EBS nodes from serving customer traffic

- Added features to Gossip Protocol-based distributed failure detection and node discovery system to achieve high availability(**99.9%**).

SDE, Amazon - WW Transportation, 2011-2014, Hyderabad, India

- Delivered capability to handle misrouted/damaged packages from 3P carriers for adjusting delivery schedule of Amazon.com customer orders and issuing refunds/replacements.