Kislay Kishore

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Education

- **National Institute of Technology** Warangal, India
  Bachelor of Technology in Computer Science and Engineering; CGPA: 9.17/10 *July 2008 – April 2012*

Experience

- **Google India Pvt Ltd** Bengaluru, India
  Software Engineer *September 2019 – Present*
  - **SWE, Acetone**: Developed Shared -1 that allowed Google to share the -1 space with OEMs. Took complete ownership of the solution and collaborated with the OEMs to take the project to completion. This project is estimated to help land Google -1 on 219 million devices/year.
  - **SWE, Acetone**: Set up a pipeline and created a Plx dashboard to analyze the usage and effectiveness of Google -1.
  - **TL, Acetone**: Led the team to build support for **Extreme Battery Saver** mode in Google -1 for Pixel devices.

- **Arcesium India Pvt Ltd** Hyderabad, India
  Technical Lead *July 2015 – August 2019*
  - **Software Architect**: Work with various teams and assist them with design and architecture of software components. Laid down the end-to-end design of feeds-data ingress and processing workflow.
  - **Test Automation**: Created a test framework which automated the testing of .NET client RPC. This made the tests independent of data and thus more reliable. It also reduced the effort spent on writing new tests to almost zero.
  - **Site Reliability Engineer**: Led the team that owns two of the most critical applications in the firm namely Moss and Ivy. Responsible for ensuring that the availability SLOs of these applications are met. Created a health monitoring infrastructure, which uses garbage collection metrics to determine the health of Java applications. This monitor accurately detects JVM heaps being unhealthy and leads to instances being removed from the clusters quickly thereby reducing the downtime.
  - **Build Time Reduction**: A self-driven initiative, where we improved the build time of our app from three minutes to less than a minute and made it more reliable. This led to productivity gains for the 60 developers who work on it.
  - **Frames Development**: Develop and maintain an in-house framework called Frames which is used throughout the firm for exposing Java services RESTfully and to generate client stubs. Also created a Gradle plugin to aid generating the stubs reliably.
  - **Postgres Evaluation**: Worked in a team where we evaluated Postgres Aurora to make a recommendation to the firm regarding moving from SQL Server to Postgres and devise a strategy for the firm to implement the move.

- **D. E. Shaw & Co.** Hyderabad, India
  Senior Software Engineer *July 2012 – June 2015*
  - **Pricing Add-In**: Migrated the private equity model code which was written in VBA to a .Net Excel Add-In. This project had lingered on for two years. I wrote it from scratch and the add-in was delivered in a couple of months.
  - **Improve Pricing Model Run Efficiency**: Self-initiative where we parallelized the pricing models, which were earlier running serially. With this, the time taken reduced to as less as $1/4^{th}$ of the original value. This resulted in much fewer instances of delays in price computations.

Programming Skills

- **Languages**: Java, C#, Python, C++, SQL

- **Container Tools**: Docker, Kubernetes

- **Mobile Technologies**: Android

- **Web Technologies**: gRPC, J2EE

- **Test Frameworks**: JUnit, Mockito, TestContainers

Courses & Certifications

- Machine Learning, Coursera

- Statistics Foundation 1 & 2, LinkedIn Learning

Achievements

- Was promoted to the Senior Member Technical and Technical Lead roles in D. E. Shaw and Arcesium in the shortest possible time.

- Won the hackathon organized by Arcesium consecutively in 2017 and 2018.

- Got an All-India Rank of 4219 in Indian Institute of Technology Joint Entrance Exam (IIT-JEE) 2008

- Got All-India Rank of 1601 in All India Engineering Entrance Exam (AIEEE) 2008