

Shivam Shishodia

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EDUCATION

Bachelor of Technology in Computer Science & Engineering

Manipal University Jaipur

July 2018

CGPA 9.21

Computer Science Elective (with PCM)

Navy Children School (Goa)

March 2014

10th 9.8 CGPA - 12th 90.8

WORK EXPERIENCE

Dell Technologies

Software Development Engineer II

Bengaluru, India

Oct 2019 - Present

Quote Deal Planning (Springboot, Angular, Kafka, PCF)

Developed real-time Kafka-based microservices to **process the high volume of internal sales records (5k/min)**. Improved robustness by handling points of failures and **increased data accuracy and integrity to 98 percent**. Led a five-member development team to deliver 4 microservices for large order shipments, **improving quote accuracy and system performance by 33% within a quarter**.

Workflow Engine (Springboot, Angular, Yugabyte, PCF)

Implemented a Free-marker and Quartz based microservice in a span of two sprints leading 2 software engineers from Austin, US. Developed APIs were integrated with two applications (SNOP workflow, Quote Deal Planning) with more in the pipeline, **saving over \$100k in the expenditure** of Pega and Flowable licenses.

Software Development Engineer I

July 2018 – Sept 2019

Material Reservation (Springboot, RabbitMQ)

Single-handedly developed the core data microservice for MR **designed to process \$10 million worth of large order quotes** for Dell's strategic customers. The RabbitMQ feeds generated served as the true source of information for downstream applications (FOE, BOSS, DCS) **reducing order process time by 60 percent**. Worked cross-functionally with engineering teams and collaborated with business and product leadership to define product plans, strategy, and business metrics.

Planning Platform Configuration Management (.NET Core, Angular)

Led a two-member development team to migrate PPCM monolith codebase from legacy servers to cloud microservices (PCF). **Enabling zero downtime using blue-green deployment**. Integrated Service Registry, Config Server, Credhub and **made application 12-factor compliant**.

Software Development Engineer Intern

Jan 2018 - May 2018

EOL Audit Automation, Headcount Tracker (Python, Flask)

Designed and developed Python-based automated task capable of **saving 5,992 man-hours per year** for the DCE Content Operations team. The codebase was deployed as a core application which saved 5,880 man-hours per year processing EOL requests. The project was awarded a 10/10 grade point and is actively used in production.

SKILLS

Core Languages

Java, JavaScript, TypeScript, PostgreSQL (SQL)

Hands-on

Python, *nix Scripting

Frameworks

Springboot, Angular, Flask

Libraries/Tools

RabbitMQ, Kafka, Git, Mockito, Selenium, BeautifulSoup4

Cloud

Pivotal Cloud Foundry (PCF), Amazon Web Services (AWS), Heroku, Docker

NOTABLE ACHIEVEMENTS

- **Fiscal Year-End Individual Recognition** by Ramesh Jampula, Vice President and CIO APJ Region, Global Supply Chain Management, Dell (January 27, 2021).
- **4 Bravo awards, 1 Cheer award, 5 Shoutout awards, and 4 Applause awards** in total, awarded by 3 Principal Software Engineers, 2 Senior Advisors, 2 Managers, and 1 Director at an individual level.

- **Open Market API Contributions:** Generic workflow APIs for code reusability. Employee APIs for quick access to several interlocking applications visioned to be **used by Dell IT space (20+ applications)**. Password reset custom tool for one-tap password reset for multiple microservices **cutting down the effort required for this activity by 90 percent**.
- **3-time Information Technology Development Program Rockstar** for contributions towards ITDP committee (2-year program).
- Chapter Officer, Association for Computing Machinery: **Lead over 250 students**, training them for competitive programming, and industry-level best practices.
- Proven academic track record in Computer Science Bachelors program (**Top 5 percent of the batch**) with 9.21 CGPA.