Shivam Shishodia

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EDUCATION

Computer Science and Engineering (Bachelor of Technology)   July 2018
Manipal University Jaipur   **CGPA 9.21**

Computer Science Elective (with PCM)   March 2014
Navy Children School (Goa)   10th **9.8 CGPA** - 12th **90.8**

WORK EXPERIENCE

Dell   *(Bengaluru, India)* *4 years 2 months*

Senior Software Engineer   *April 2022 - Present*

Quote Deal Planning (Java Springboot, RabbitMQ)

Developed real-time RabbitMQ-based microservices to **process the high volume of sales records (8k/hour)**. Improved robustness by handling points of failures, and **increased data accuracy and integrity to 98 percent**. Led a team of four members to deliver 5 microservices for large order shipments, **improving system performance by 85 percent within a quarter**.

Software Engineer 2   *Oct 2019 – March 2022*

Workflow Engine (Java Springboot, PostgreSQL)

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

Material Reservation (Java Springboot, RabbitMQ)

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

Software Engineer 1   *July 2018 – Sept 2019*

Planning Platform Configuration Management (Java Springboot, PostgreSQL)

Led a two-member development team to migrate the 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 microservices 12-factor compliant**.

Software Engineer Intern   *Jan 2018 - May 2018*

EOL Audit Automation, Headcount Tracker (Python, Flask)

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

SKILLS

Core Skills	Java (Core Java, Spring Boot), SQL (PostgreSQL)
Hands-on	JavaScript (Angular), Python (Flask)
Platforms/Tools	RabbitMQ, Kafka, Spring Cloud, Git
Cloud	Pivotal Cloud Foundry (PCF), Docker

NOTABLE ACHIEVEMENTS

- **Dell's Vice President Fiscal Year-End Individual Recognition** by **Ramesh Jampula**, Vice President and CIO APJ Region, Global Supply Chain Management, Dell (January 27, 2021).

- **3 Bravo awards, 1 Cheer award, 10 Shoutout awards**, and **6 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, ACM** (Association for Computing Machinery): **Lead over 250 students**, training them for competitive programming and industry-level best practices.
- **Top 5 percent of the batch**: Proven academic track record in Computer Science and Engineering program with 9.21 CGPA.