

Rishi Goswamy

Software Engineer

Boston, MA, USA | (+1) 857-379-4365 | goswamyrishi@gmail.com | [linkedin.com/in/goswamyrishi](https://www.linkedin.com/in/goswamyrishi)

EXPERIENCE

Philips, Cambridge (MA), USA

January 2023 – August 2023

Software Engineer Co-op

- Pioneered the development of **automated DevOps pipelines** for healthcare systems using **C#, Azure**, and **Gherkin** scenarios, applying **BDD methodologies** to enhance **performance testing** for 256 and 512 bed patient monitoring systems.
- Successfully led the creation and implementation of **Gherkin scenarios** using **BDD methodologies** to automate the configuration of the Medical Device Integration Platform, achieving a **15% reduction** in setup time per deployment.
- Innovated and deployed a **C# .NET tool** for contract-based patient monitoring system configuration, which integrated seamlessly with Azure for automated updates to a 512-bed system, **reducing manual process hours to just 20%** of the original time.

Dell Technologies, Bengaluru (KA), India

March 2021 - October 2021

Software Engineer 2

- Led a team of 5 for designing and developing data pipelines for migrating terabytes of enterprise data from **OracleDB** to **MongoDB** and **Elasticsearch** by leveraging **Python**, **ELK stack**, **RabbitMQ** and performed **code reviews** to ensure **best practices of coding**.
- Devised WhatsApp, SMS integration with **Twilio** for order communications of **3 countries** and notification alerts for data migration, and infrastructure health checks using **Prometheus** for the team thereby reducing **20 hours** of manual effort per week.
- Streamlined **requirement gathering** for **10+ business critical programs**, **designing** solutions and **cross-team collaboration** for **ensuring quality** and **timely delivery**, while incorporating **Agile methodologies** to optimize processes.

Dell Technologies, Bengaluru (KA), India

June 2018 – February 2021

Software Engineer 1

- Onboarded over **70 countries** while retiring existing scattered and legacy solutions on centralized **communication system** leveraging **Java**, **Spring Boot**, **MongoDB**, **RabbitMQ**, and **Microservice-based architecture**.
- Scaled** and optimized the solution to handle approximately **500k emails daily** with a peak of 7.3 million.
- Supervised **DevOps Engineering Team** to accomplish **CI/CD**, migrating code repository for **15 microservices** to **Gitlab** with **cloud deployment** on **PCF** along with **SonarQube** integration to minimize vulnerabilities.
- Designed and deployed a **reconciliation system** to automatically retrieve and reprocess upstream event failures due to data inconsistency, streamlining recovery as data availability improved and **reducing manual processing time by 20 hours per week**.

Hashworks, Bengaluru (KA), India

July 2017 – May 2018

Software Engineer 1

- Developed global order search engine platform for Dell ecosystem supporting more than **1 million business** and **stand-alone clients** per day using **Java** and **ElasticSearch** with **Splunk logging** framework, **metrics evaluation** in **MongoDB**.
- Integrated order search with **customer-facing products** **reducing data inconsistency** and **integrity issues by 30%**.

TECHNICAL SKILLS

Language	Python, Java, C#, SQL, NoSQL, JSON, FTL, Gherkin, Shell, Node.js, Javascript
Frameworks	.NET, Flask, Spring boot, JUnit, REST, Cucumber, React, Spring Data JPA
Tools/Technologies	GIT, Agile, RabbitMQ, Kafka, Azure, AWS, Kubernetes, Docker, TFS, Pivotal Cloud Foundry
Database	Oracle database, MongoDB, ELK stack, Microsoft SQL, MySQL, GraphQL, Redis

PROJECTS

Doctor Lucky, Northeastern University

January 2022 - April 2022

- Accomplished designing a board game built as a desktop application in **Java**, implemented concepts of **MVC** pattern.
- Crafted **500+ test cases**, thoroughly worked on **SOLID principles**, and **Software Design patterns**.

Apartment Listing Management System, Northeastern University.

September 2023 – November 2023

- Orchestrated the development of a real estate digital platform, integrating **60,000+ lines of data** from Excel and scraping over **10,000 valid entries** from Zillow API, using **MySQL** and **Python** for enhanced transaction efficiency.
- Established a **normalized (3NF) database** with **15+ tables**, **2 views**, **5 stored procedures**, and **4 functions**, alongside **2 triggers** for automated processes, ensuring robust data integrity and streamlined access in the ALMS platform.

Dynamic Email Catalyst, Northeastern University

December 2023 – February 2024

- Spearheaded project implementation by utilizing **AWS (SES, S3, Lambda, Route 53, IAM)** for **automated, scalable** email campaigns through **serverless infrastructure** for bulk email delivery, reducing manual intervention by **30%**.
- Enhanced engagement by accomplishing time zone-aware, personalized, efficient email delivery by integrating **6 schedulers** in **AWS Event Bridge** based on customer preferences.

EDUCATION

Northeastern University, Boston (MA), USA

May 2024

Master of Science in Computer Science

4.0

College of Engineering and Technology, Bhubaneswar (OD), India

May 2017

Bachelor of Technology in Computer Science and Engineering

8.64