

# Garima Choudhary

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## SUMMARY

Experienced software engineer adept at developing scalable cloud-native applications. Skilled in full-stack development and proficient in utilizing diverse programming languages – Java, Python, SQL, NoSQL, JavaScript, frameworks- Spring Boot, Angular, and cloud platforms- AWS, and debugging. Proven track record in understanding complex business processes and delivering impactful solutions through collaborative teamwork, innovative problem-solving, and agile methodologies. Engaged in the software development lifecycle to support the development, configuration, modification, and testing of large integrated business and enterprise application solutions.

## PROFESSIONAL EXPERIENCE

### Intel Corporation | *Software Engineer*

Aug 2022 – Jan 2023

- Implemented an innovative data pipeline solution to enhance the visualization of logs, using ELK stack (Elasticsearch, Logstash, and Kibana) with Docker empowering teams to make data-driven decisions efficiently
- Automated log handling processes and resolved existing pain points for improved operational efficiency by 15%
- Collaborated closely with 3 teams to design and implement grok patterns, seamlessly integrating the pipeline into system. Demonstrated strong teamwork, communication skills to ensure a smooth and cohesive implementation process

### Tata Consultancy Services | *Software Engineer*

Jan 2019 – Aug 2021

- Developed an AI cognitive network product IGNIO for Digitate by collaborating with an Agile team of 500+ members
- Worked independently on the product analysis to filter the noisy data up to 97% and form structured data using RESTful API
- Communicated with clients and resolved the issues on the product using programming languages like Java, J2EE, Spring Boot
- Executed ETL processing, microservices, operated on extensive enhanced and data analysis databases like HBase, Postgres
- Refactored existing code with efficient algorithms and fixed 70+ bugs enhancing the performance of the application by 50%
- Enhanced knowledge of algorithms, and data structures by building a predictive analysis feature for the product

### PV Lumens | *Software Engineer*

Aug 2018 - Nov 2018

- Designed and constructed a website for Elmack Engg Services, a sister company of PV Lumens using ZOHO Sheets
- Maintained the product list for the organization's website, enabling vendors to get real-time availability of the products
- Collaborated with cross-functional teams to accumulate data information and used it for visualization in MS Excel
- Generated and analyzed business reports using CRM to monitor the profit and number of leads generated

## SKILLS

**Programming Languages:** JAVA, Python, HTML, CSS, Angular **Databases:** SQL, Neo4j, HBase, Postgres, NoSQL, Oracle, Elasticsearch, Logstash, Kibana **Data Analysis and Visualization:** Advanced Excel, Tableau, PowerBI, ETL **Cloud Platform:** AWS, EC2, CloudFormation, AMI, RDS, Lambda, DynamoDB, S3, CloudWatch, IAM, SES **Frameworks:** Spring Boot, Spring MVC, Maven, ZOHO, Jira, Atlassian, Agile, SCRUM **Miscellaneous:** REST APIs, Linux, Microservices, SDLC, Distributed Storage Systems, Figma, CI/CD - Jenkins, GitHub, Git, SVN

## PROJECTS

### Cloud Native Web Application – Amazon Web Services (AWS)

- Designed a webservice using Java, Spring Boot that can perform microservices CRUD operations for users and allow them to upload images on the S3 bucket. Relational Database and NoSQL database like DynamoDB to store user data
- Implemented Load Balancing and CloudWatch from AWS to scale in or scale out the load on the website
- Launched the EC2 instance using CloudFormation, integrated GitHub Actions (CI/CD) pipeline, Code Deploy for deployment in the application, AWS Lambda Function
- Utilized the SES (Simple Email Service) feature to send emails to verify users and authorize users to access their data

### Predictive Analysis using Python

- Used Python libraries to find the effect of CO2 gas emissions on temperature in the next 20 years
- Analyzed datasets with 100512 rows using FBProphet API; predicted rate of temperature change in Boston with 95% accuracy

## EDUCATION

### Master of Science in Information Systems, Northeastern University

Relevant Courses: Application Engineering and Development, Cloud Computing, Data Science, Database Management

### Bachelor of Engineering in Computer Science, Mumbai University

Relevant Courses: Software Engineering, Distributed Systems and Databases, Computer Organization and Architecture, Object-Oriented Programming Methodology, Analysis of Algorithms, Computer Networks, Agile Software Development