




Bhishman Desai

Master of Applied Computer Science, Dalhousie University — Former Software Engineer, Infogain

 bhishman-desai

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 Portfolio

 Blog

SKILLS

Languages: Java, Python, C, C++, JavaScript, TypeScript, HTML, CSS, SQL

Frameworks & Libraries: Spring Boot, Node.js, Django, Next.js, React, Angular, JUnit

Cloud & DevOps: AWS, GCP, Azure, CI/CD, Docker, Kubernetes, Jenkins, Terraform, CloudFormation

Databases: MySQL, PostgreSQL, MongoDB, DynamoDB, Redis, Neo4j

Operating Systems: Linux, Unix, Windows, macOS

Methodologies: Software Development Life Cycle (SDLC), Agile, Waterfall, Iterative, Test-Driven Development (TDD)

Tools: MS Office, UML, Git, Jira, VS Code, Postman, Swagger, OpenAI

EXPERIENCE

Solutions Architect | Next.js, Node.js, AWS, Terraform

May 2024 - Present

Puppet Academy

Halifax, NS

- Designed and developed the frontend using **Next.js** and the backend with **Node.js** and **Python** to enhance the performance insight dashboard, resulting in an increase in user engagement.
- Engineered and automated AWS infrastructure provisioning using **Terraform**, and implemented CI/CD pipelines using GitHub actions on **AWS EKS**, reducing deployment time by **80%**, and human errors.
- Managed and scaled the performance portal with auto-scaling groups and load balancers, achieving **99.9%** uptime during peak usage periods.
- Collaborated with non-technical stakeholders and cross-functional teams to simplify complex technical terms and align feature requirements, increasing client satisfaction and reducing project delivery time.

Software Engineer | Angular, Spring Boot

Jan. 2023 - Jul. 2023

BosLeo

India

- Designed a Healthcare Information System with real-time monitoring of patient data using external health devices, enhancing system reliability and achieving a significant reduction in downtime.
- Demonstrated strong problem-solving and analytical skills by leveraging **Large Language Models** to improve the accuracy of typeahead suggestions by **60%**, optimizing system performance for large patient datasets.
- Implemented unit, integration, and end-to-end automation testing using **Selenium, Jest and Cypress**, achieving **83%** test coverage and reducing production bugs, adhering to testing methodologies.
- Conducted code reviews in agile environment and guided junior developers in coding standards, resulting in high-quality pull requests and minimizing code smells.

PROJECTS

Lightweight DBMS   | *Java*

- Built a custom lightweight DBMS supporting basic DDL and DML commands, along with transaction support and ensured ACID properties.
- Self-taught database management concepts through independent research, which deepened my understanding of database management and influenced the system's design and development.

Job Verse   | *React, Node.js, Azure*

- Designed and implemented an intuitive and accessible user interface, simplifying the job search process by improving navigation and usability, particularly for international students.
- Utilized modern frontend & backend technologies and responsive design principles to enhance user experience, optimizing the application process and reducing search time for relevant job opportunities.

OPEN SOURCE

Resolved an issue with nonfunctional keyboard shortcuts in TextArea component within Accordion panels by fixing event handling and key listener management. Blog Post:  PR: 

EDUCATION

Dalhousie University | *GPA:4.2/4.3*

Sep. 2023 - Present

Master of Applied Computer Science

Halifax, NS

NMIMS | *CGPA:3.75/4*

Sep. 2017 - Mar. 2021

Bachelor of Technology in Information Technology

Mumbai, India