





Bhishman Desai

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

 bhishman-desai

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 Portfolio

 Blog

PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 3+ years of experience developing scalable web applications and AI-powered solutions. Passionate about leveraging **AI/ML technologies** to solve complex business problems and enhance user experiences.

SKILLS

Languages: Java, Python, JavaScript, TypeScript, SQL, HTML5, CSS3, C, C++, Go

Frontend Development: React.js, Next.js, Angular, Vue.js, HTML5, CSS3, Tailwind CSS, Material-UI

Backend Development: Node.js, Express.js, Spring Boot, Django, FastAPI, REST APIs, GraphQL, Microservices

Databases: PostgreSQL, MongoDB, MySQL, Redis, Elasticsearch, Vector Databases (FAISS, Pinecone)

Cloud & DevOps: AWS, GCP, Azure, Docker, Kubernetes, Jenkins, GitHub Actions, Terraform

Data & AI: Databricks, Apache Spark, ETL Pipelines, RAG, MLOps, OpenAI API, LangChain, Vector Embeddings

Tools & Platforms: Git, GitHub, Jira, Confluence, Postman, Figma, VS Code, IntelliJ IDEA

EXPERIENCE

Software Engineer

July 2025 - Current

Easy Platter

Halifax, NS

- Built and deployed multiple **n8n-powered voice agents** on-premises using **Node.js, WebRTC, and OpenAI APIs**, enabling Easyplatter's website to handle FAQs, provide health coaching, and automate HR screening calls, resulting in **60% reduction in customer support response time**.
- Developed an **autonomous QA agent** using **n8n workflows, Selenium WebDriver, and Jira REST APIs** to fetch tickets and conduct UI testing based on requirements, resulting in **80% automation of regression testing processes**.
- Enhanced recipe search functionality using **Elasticsearch, custom analyzers, and fuzzy matching algorithms** to improve search relevance and UX, resulting in **45% increase in recipe discovery rate and 30% reduction in search bounce rate**.

Data Engineer Intern

Jan 2025 - Apr 2025

Nova Scotia Health

Halifax, NS

- Developed and deployed **ETL pipelines using Databricks, Apache Spark, and Medallion Architecture** to process healthcare data from multiple sources, resulting in **40% faster data processing and 99.5% data accuracy**.
- Deduplicated provincial health policies using **RAG, FAISS vector database, and OpenAI embeddings** to identify and merge duplicate documents, reducing storage redundancy by **90%** and unifying document versions across 15+ departments.
- Transformed ML model deployment using **Databricks Asset Bundles, MLflow, and Kubernetes** and implemented **MLOps practices** for model versioning, monitoring, and automated retraining, resulting in **50% reduction in model deployment time**.

Senior Software Engineer



Jan 2023 - Jul 2023

BosLeo

India

- Led the architecture and development of a real-time **Health Information System** using **Java Spring Boot, PostgreSQL, React.js, and Docker** deployed as **microservices on AWS ECS**, resulting in **60% improvement in patient data processing speed and 99.8% system reliability**.
- Improved search feature using **Apache Solr, OpenAI GPT models, and Elasticsearch** to implement intelligent search with natural language processing, enhancing search accuracy by **50%** and **reducing search time by 40%**.
- Mentored Jr. developers and conducted weekly **Agile sprint reviews using Jira and Confluence**, accelerating project delivery timelines by **25%** and **improving code quality through pair programming sessions**.

OPEN SOURCE

Resolved an Angular issue with nonfunctional keyboard shortcuts in Textarea component by fixing event handling and key listener management. Blog Post:  PR: 

EDUCATION

Dalhousie University | *GPA: 4.2/4.3*

Sep 2023 - Apr 2025

Master of Applied Computer Science

Halifax, NS

NMIMS | *CGPA: 3.75/4*

Sep 2017 - Mar 2021

Bachelor of Technology in Information Technology

Mumbai, India

AWARDS & PUBLICATIONS

- Received the **Citizenship Award** from Dalhousie Faculty of Computer Science for exceptional contributions to community building, reliability, motivation, and academic excellence.
- "Scaling Depression Level through Facial Image Processing and Social Media Analysis" in Communication and Intelligent Systems, Proceedings of ICCIS 2020. [Link]
- "Image Filtering – Techniques, Algorithm and Applications" in GIS Science Journal, 2020. [Link]