

# DHRUMIL KAPADIA

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## PROFESSIONAL SUMMARY

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Motivated master's candidate in **Applied Computing** with 2+ years of **software development** and **solution architecture** experience. Proficient in **C#, Python, and Java**, with expertise in **DevOps (Git, Jira, Jenkins)**, **CI/CD**, and **containerization (Docker, Kubernetes)**. Experienced with **Kafka, MS SQL Server, MongoDB, and PostgreSQL**. Skilled in developing tools and scripts, **real-time embedded software, data analysis**, and delivering **scalable solutions**. Strong **organizational and critical thinking** abilities, adaptable to evolving project requirements.

## TECHNICAL SKILLS

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- **Programming Languages:** C#, Python, Java, Bash
- **Web Development:** JavaScript, HTML, CSS, Angular
- **Frameworks:** Django, Bootstrap, Angular, React Native, Rest, Json
- **Database Management:** MySQL, Oracle, MongoDB, PostgreSQL
- **Operating Systems:** UNIX, Linux, Windows
- **Cloud Management:** AWS (EC2, S3), Azure (Azure Functions, Cosmos DB), Kubernetes
- **Source Control Systems:** Git
- **Software Testing:** Selenium WebDriver, API
- **Tools:** Postman, Power BI, Jenkins, Jira, Terraform

## EDUCATION

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### UNIVERSITY OF WINDSOR

#### Master of Applied Computing

Windsor, ON  
Expected Dec 2024

- Available for a **4- or 8- month** internship that would start in **September 2024**.
- Coursework: Advanced System Programming, Advanced Database Systems, Algorithms, Networking and Data Security

### UNIVERSITY OF MUMBAI

#### Bachelor of Engineering, Computer Science

Maharashtra, IN  
Jul 2018 – May 2021

## WORK EXPERIENCE

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### BUSINESSNEXT – ACIDAES SOLUTIONS

#### Software Engineer

Maharashtra, India  
Apr 2021 – Aug 2023

**Technology:** C#, Asp.Net, XML, MySQL, Json, RestApi, Server Management, Jenkins, Azure, AWS

- Conducted comprehensive **business analysis** to gather and document client requirements, creating detailed **technical documentation**.
- Actively developed and maintained software applications using the **Microsoft technology stack**, including **C#, .NET Framework, SQL Server, Web API, JSON, and React**.
- Designed and implemented robust **ETL processes**, significantly improving data accessibility, integrity, and accuracy across multiple systems.
- Supported application upgrades using **Agile methodologies**, resulting in a 40% enhancement in overall system performance and user experience.
- Utilized **Power BI** to create dynamic and insightful data visualizations, enabling better decision-making and strategic planning.
- Managed and maintained **Rest API**, ensuring efficient data flow and communication between various applications and services.
- Collaborated with **cross-functional teams** to ensure seamless integration and deployment of new features, adhering to project timelines and quality standards. Enhanced **test strategies** to improve test coverage and efficiency.
- Leveraged **CI/CD tools** to streamline development and deployment processes and used infrastructure as code tools like **Terraform** to manage cloud resources.
- Automated build and deployment processes using **Jenkins** and implemented **Docker** and **containerization** techniques, resulting in a 25% reduction in deployment time, increased efficiency, enhanced application scalability, and reliability.
- Integrated advanced **OAuth** and **SSO** authentication mechanisms, reducing CRM **downtime by 20%** and enhancing security.

## ADDITIONAL WORK EXPERIENCE

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### USER TESTING

QA Tester

Windsor, ON  
Jan 2024 – Present

#### Technology: Operating System, Automation Testing, Manual Testing

- Developed test cases with traceability to acceptance criteria and performed **user acceptance testing (UAT)** to validate functional requirements.
- Executed comprehensive end-to-end testing of web and mobile portals, ensuring a seamless user experience.
- Identified and reported bugs, verifying fixes, and managing them through to resolution.

### AAGRAHYAH TACHNOLOGY

NodeJs Web Development Trainee

Maharashtra, India  
Jan 2020 – Feb 2020

#### Technology: Nodejs, MongoDB

- Engaged in continuous learning and skill development in **Node.js**, enhancing **server-side scripting** capabilities. Carried out comprehensive **testing** to identify and resolve **bugs**, ensuring optimal application functionality.
- Utilized **Node.js** for **server-side scripting**, delivering a **responsive** and **dynamic user experience**.
- Collaborated with team members to **troubleshoot** issues and **optimize performance**.
- Developed a solid understanding of **web development** and **software testing methodologies**.

## PROJECTS

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### SENTIMENT ANALYSIS ON SOCIAL MEDIA PLATFORM CONTENT

May 2024

#### Technology: Meta API, Python, Natural Language Processing (NLP), Sentiment Analysis, TextBlob, Pandas

- Conducted sentiment analysis on Instagram Reels and YouTube Shorts content using data from the **Meta API** to understand user sentiment and content impact, leveraging **Python** and **NLP** technologies.
- Developed and implemented algorithms for sentiment analysis using Python and NLP libraries such as **NLTK** and **TextBlob**, resulting in actionable insights for content creators.
- **Visualized data** and provided insights to enhance content reach and engagement, using **data visualization** tools (Matplotlib, Seaborn) and **machine learning** techniques (Scikit-learn).

### CHARACTERIZING AND IDENTIFYING REVERTED COMMITS

Nov 2023

#### Technology: Python, Scikit Learn, Pydriller, Pandas

- Analyzed more than 1500 commits across two open-source repositories, prioritizing factors such as change type, developer, and commit message.
- Researched to discern patterns of reverted commits in software development.
- Devised an identification model using **Random Forest** to delve deeper into the attributes of reverted commits.

## ACTIVITIES

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### INSTITUTION OF ENGINEERS

Organizing head of Events

India  
Jan 2020 – Jun 2021

- Organized and advertised 10+ quarterly networking events with 300+ participants from various universities.

## RESEARCH PAPER

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International Journal of Innovative Science and Research Technology

India

#### Guided E-Learning Application for Autism Spectrum Disorder

- Performed research under the ISSN No:- 2456-2165, Volume 6 - 2021, Issue 4 – April.  
URL: <https://www.ijisrt.com/guided-e-learning-application-for-autism-spectrum-disorder>

## ADDITIONAL TECHNICAL TRAINING

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Learning Hadoop (By LinkedIn Learning)

Feb 2024

Unix Essential Training (By LinkedIn Learning)

Jan 2024

Oracle Cloud Database Service Professional Workshop (By LinkedIn Learning)

Nov 2023

Introduction to Data Science (By Coursera)

Nov 2020

Machine Learning (By Coursera)

Jul 2020

Accenture Discovery Program (By Accenture)

Jul 2020

Software Engineering Virtual Experience (By JPMorgan)

Jun 2020