

# DHEERAJ GAVINI

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## Summary

- 3 years of IT experience in software development and web development using **Node.js, TypeScript, React.js, JavaScript, Java, Python, Microsoft Bot Framework v3.**
- Strong experience in developing web applications using **CSS, HTML, XHTML, React, DHTML, JavaScript, Servlets, Bootstrap, jQuery, Angular, Web designing and Web services using SOAP, WSDL, and REST.**
- In-depth knowledge of a wide range of databases, like **MySQL, Microsoft SQL Server, MariaDB, MongoDB, PostgreSQL, SQLite, and Spark.**
- Experience in utilizing build and deployment tools like **Jenkins, Docker, and Anisble** to implement Continuous Integration and Deployment(CI/CD).
- Accumulated around 3 years of hands-on experience in SharePoint development, demonstrating a deep understanding of the platform and a track record of delivering tailored solutions to meet diverse business needs.
- Demonstrated exceptional communication skills through clear and concise verbal and written interactions, facilitating effective collaboration with diverse teams and clients.

## TECHNICAL SKILLS

- **Programming Languages:** Node.js, JavaScript, TypeScript, React.js, C-Programming, OOPS, Java, Python, C++, Bash, and PowerShell.
- **Markup Languages:** HTML, XML, RAML, CSS, SOAP.
- **Database Systems:** MongoDB, MySQL, Microsoft SQL Server, MariaDB, PostgreSQL, and SQLite.
- **Operating Systems:** Linux, Windows.
- **Cloud:** Azure
- **Software Applications:** Anypoint Studio, Anypoint Platform, Visual Studio, Jenkins, Docker, Ansible, Visual Paradigm, Postman, Jira, MS Office Suite (Excel, Outlook, Word, PowerPoint, Teams).
- **Version Control:** GitHub, Gerrit, and Gitlab.
- **Methodologies:** Agile, TDD, Waterfall.

## EDUCATION

**Master of Applied Computing,** Jan 2022 – Aug 2023  
University of Windsor, Windsor, ON

- CGPA: 3.7/4

**Bachelor of Technology - Computer Science and Engineering,** Aug 2015 - Apr 2019  
MVGR College of Engineering, Vizianagaram, Andhra Pradesh, India

- CGPA: 8.52/10.

## WORK EXPERIENCE

**Software Developer Intern** Jan 2023 – Aug 2023  
BlackBerry, Waterloo, ON, Canada

**Technologies Used:** TypeScript, PHP, React.js, jQuery, ASP.NET, GraphQL, OAuth, Jest, SharePoint, GitHub, Anypoint Studio, Anypoint Platform, DataWeave, MariaDB, Gerrit, Jira, and Confluence.

- Developed and customized SharePoint web parts, features and solutions, including apps, master pages, and custom page layouts, to enhance the user experience and meet specific project requirements.
- Enhanced SharePoint forms and applications using **JavaScript, TypeScript, jQuery, and ASP.NET.**
- Implemented **OAuth** authentication, ensuring secure and user-friendly login experiences, including integration with identity providers like **Okta.**

- Proficiently identified and resolved multiple bugs within SharePoint web parts, ensuring enhanced functionality and a smoother user experience.
- Used CI/CD tools like **Jenkins, Maven, and GitHub** during the development and deployment.
- Crafted display templates for search in SharePoint, optimizing search results presentation and providing users with a more intuitive and effective search experience.
- I am proficient in writing unit tests using **Cypress**, ensuring the code quality, functionality, and reliability of web applications through comprehensive test coverage and validation.
- Designed and implemented content types and workflows within SharePoint, streamlining document management and business processes for increased efficiency
- Developed REST APIs using **Mulesoft Anypoint API Platform**.
- Collaborated with cross-functional teams to gather requirements, analyze integration needs, and design scalable solutions.
- Designed and developed Mule APIs for diverse integration scenarios, ensuring efficient data flow between different applications and systems like One Trust, NetSuite, Salesforce, JIRA SD, AWS S3 Bucket, and MariaDB .

## Software Developer

Jan 2020 - Dec 2021

Tata Consultancy Services, Hyderabad, Telangana, India

**Technologies Used: Node.js, React, Python, MySQL, SAAS, Azure Cognitive Services, Jira, Confluence, Github, Jenkins, Mulesoft, and ServiceNow.**

- Worked as a backend developer in a transaction chatbot project with a team of four people.
- Developed an optimized chatbot in the teamcenter application, which is hosted on **Azure cloud**.
- Developed a versatile chatbot accessible across various platforms, including SharePoint, Microsoft Teams, and Team Center.
- Developed a chatbot utilizing **LUIS** (Language Understanding Intelligent Service) and Natural Language Processing (**NLP**) techniques.
- I have developed dashboards using **React** and **Python** to visually illustrate the enhanced performance of our chatbot to our clients.
- Built REST API using **Node.js** and **Express.js**.
- Worked on ServiceNow and MuleSoft integration with the chatbot.
- Connected the Chatbot to **MySQL database** for storing information consumed by REST API.
- Created cron jobs using Node.js for the purpose of processing database entries for expired service now tickets.
- **SOAP web services** are used to create back-end services that are triggered by the bot to perform functionalities in the Teamcenter Application.
- Experience in writing SQL queries, **Views, Triggers, and Stored Procedures** in Relational Database Management Systems like MySQL.
- Handled the integration of a chatbot with **ServiceNow APIs using the MuleSoft interface**.
- Contributed to the development and growth of a **SAAS** product, collaborating with a dynamic team to deliver key features, enhance user experience, and optimize system performance, resulting in increased customer satisfaction and retention.
- Managed tickets in Jira and made documentation with confluence for every procedure we followed, along with improved qualities.
- Collaborated with clients and gathered the requirements for various new use cases and followed Agile methodology for developing a transaction bot.
- Worked on **CI/CD** pipelines, **GitHub, Jenkins and MS Azure**.
- Did unit testing and quality testing to ensure that the finished products met production standards.

## ACADEMIC PROJECTS

### Windsor Housing Price Prediction

May 2022 - Aug 2022

University of Windsor, Windsor, ON

**Technologies Used: HTML, CSS, Python, MongoDB**

- Developed a full stack application that uses user input to calculate results using objects for linear regression via APIs using Python.
- Used **HTML** and **CSS** for developing the front end.

- Used MongoDB for storing, analyzing, and refining the dataset.
- GitHub: <https://github.com/dgavini/Windsor-Housing-Price-Prediction.git>.

## **Web Search Engine**

Jan 2022 - Apr 2022

University of Windsor, Windsor, ON

### **Technologies Used: Java, Data Structures.**

- Developed a web-based search engine as a team of 4, using **Java**.
- Utilized Jsoup web crawler to ping connected websites.
- Programmed algorithms like merge sort for sorting the results, and Boyer Moore for text pattern recognition as per user input and used data structures like hashmaps and array lists.
- GitHub: <https://github.com/dgavini/SearchEngine.git>.

## **Certifications**

- **AZ-204 Developing Solutions for Microsoft Azure.**