

# Ashish Wilson

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## Technical Skills

**Languages:** Java, Python

**Backend:** Spring Boot, Node.js, REST APIs, Microservices

**Frontend:** React, Angular, HTML, CSS, TypeScript

**Cloud & DevOps:** AWS, Docker, Terraform, Git, Gitlab

**Databases:** PostgreSQL, MySQL, MongoDB, Firebase, Redis

**Other:** Data Structures & Algorithms (DSA), Design Patterns, Agile, GitHub Copilot

## Work Experience

**Cognizant, Bangalore**

Feb 2023 - Present

*Software Engineer | Java, Springboot, Microservices, JPA, Hibernate, SQL, React, AWS*

- Contributed to a **microservices-based architecture**, improving **scalability** and **performance**.
- Engineered **AWS Lambda-based event-driven workflows**, reducing **manual interventions by 70%**.
- Refactored **complex SQL queries**, achieving a **60% reduction in execution time** and enhancing **microservice response times**.
- Built **dynamic, accessible React components**, enhancing **frontend responsiveness** and reducing **bounce rate by 20%**.
- Worked on **CI/CD pipelines**, leveraging **Terraform** for **automated AWS Lambda provisioning**.
- Diagnosed and resolved **critical production issues** with **hotfixes**, ensuring **<2% downtime** in **high-traffic systems**.
- Developed and optimized **RESTful APIs** using **Spring Boot**, implemented **unit testing with JUnit** to enhance **code reliability**, and worked in **SAFe Agile environments** for efficient **sprint execution** and **project delivery**.
- Developed **React test cases** using **Jest** and **React Testing Library** to ensure **frontend reliability**, and leveraged **GitHub Copilot** for **streamlined code generation** and efficient development.

*Intern*

Feb 2023 - May 2023

- Assisted in the development of a microservices-based application using Java and Spring Boot. Developed and optimized SQL queries for data retrieval and performance improvements.
- Implemented front-end UI components using Angular and TypeScript. Gained hands-on experience in AWS cloud services, including ECS and S3.

## Projects

**VCARE** | *Android, Java, Firebase, Python, TensorFlow*

[Link](#)

- Developed a mobile health assistant app to predict diseases from symptoms and schedule doctor visits.
- Integrated TensorFlow for machine learning-based diagnosis and Firebase for real-time data management.

**SMART PARK** | *Android, Java, Firebase, C++, OpenCV*

- Designed an AI-driven smart parking system using OpenCV & C++, reducing parking search time by 40%.
- Developed an Android app using Java and integrated image processing with OpenCV for accurate slot detection.

## Achievements

- Python with Data Science-Udemy.
- Google cloud facilitator program-Qwiklabs (Hands-on).
- Machine learning using python -Workshop
- AWS Academy Graduate - AWS Academy Cloud Foundations

## Education

**APJ Abdul Kalam Technological University (KTU)**

Nov 2020 - Aug 2022

Masters in Computer Applications

CGPA: 9.26/10

Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Advanced Computer Networks, Machine Learning, Advanced Data Structures and Algorithms

**University of Mysore**

July 2017 - Sept 2020

Bachelors in Computer Applications

76.4%

Relevant Coursework: Object Oriented Programming, Databases, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Data Mining, Image Processing