

Bhoomika Panduranga

bhoomikapanduranga12@gmail.com | +1 312 900 7384 | United States (open to relocation) | [LinkedIn](#) | [HackerRank](#) | [GitHub](#)

PROFESSIONAL SUMMARY

Skilled Software Developer with 4+ years of expertise in event-driven microservices architecture and web application development. Recognized for exceptional communication, problem-solving abilities, and collaborative teamwork. Equipped with advanced technical skills and eager to contribute to a vibrant and innovative environment.

SKILLS

- **Programming & Databases:** Java, Python, HTML5, CSS3, SQL, JavaScript, AngularJS, ReactJS | PostgreSQL, MySQL, NOSQL.
- **Frameworks & Technology:** Spring Boot, Spring MVC, Hibernate, Selenium, Microservices, Kafka, JPA, JSON, REST API, Postman, Maven, JUnit5, JSP, Bootstrap, NodeJS.
- **Cloud & DevOps:** AWS, GCP | Jira, Git, GitHub, Gitlab, Docker, Bitbucket, Gradle, Jenkins, Confluence.
- **IDE Tools & OS:** IntelliJ, Eclipse, Visual Studio Code, Spring STS | Windows, MacOS, Linux.

EXPERIENCE

Graduate Student Assistant

Sep 2023 – May 2024

Chicago Public Schools

Chicago, IL

- Impact: Recognition for Identifying and correcting **data anomalies** in master data.
- Collaborated with cross-functional teams to gather requirements and ensure data integrity across systems.
- Extracted, transformed, and reconciled 10,000+ records in multiple data sources with java application, ensuring **99% data accuracy**.
- Created 50+ reports and 10+ data extracts using **SQL**, delivering actionable insights for strategic decisions.
- Utilized APIs and JDBC to connect to various data sources, ensuring seamless data integration

Software Engineer

Jun 2020 – Aug 2022

Accenture

Bengaluru, India

- Impact: Awarded **Client Value Recognition** and **FastTrack promotion** at Accenture.
- Developed a proof-of-concept project for data engineers using **Spring Boot, Java, AWS**, and **Maven**, achieving a 70% reduction in manual verification through process automation.
- Utilized architectural patterns such as **microservices** and **containerization** to successfully migrate over 10 internal microservices, achieving a 40% enhancement in scalability and a 25% improvement in reliability.
- Optimized complex **SQL** queries, implemented JDBC and ORM frameworks, and integrated databases into applications through JPA.
- Performed unit testing for 100+ functions using **JUnit**, and end-to-end testing with **Postman** on **REST APIs**.
- Managed the automation of software delivery processes through **CI/CD pipelines** with **Ansible, Bitbucket**, and **Jenkins**.
- Engaged in the full **SDLC** using **Agile** methodologies, interacted with stakeholders, and participated in **SCRUM** meetings.

Application Developer

Jun 2019 – Aug 2019

Zerozilla Technologies

Bengaluru, India

- Developed a robust dynamic web application utilizing **Python, Django**, and **Angular**, contributing to a 20% increase in registration and improved **customer satisfaction**.
- Migrated an internal application from Angular 7 to Angular 8, reducing compatibility issues by 50%.

Software Engineer

May 2018 – Aug 2018

Ethnotech Solutions

Bengaluru, India

- Developed API's for **Campus application** to manage real-time transactions and processing of payment details.
- Conducted Unit and Integration testing using **JUnit** and **JMeter**, ensuring 90% software quality and performance.
- Designed and executed the automation test scripts using **Selenium WebDriver** and **TestNG**.

PROJECTS

Recommendation of Social Places Using Generative AI ([GitHub](#))

Academic Project

- Developed a recommendation system using Gen AI, Open API, Geolocation API, MongoDB, ExpressJS, ReactJS, NodeJS to suggest social venues based on user preferences and behavior analysis.
- Achieved a streamlined implementation process, reducing development time by 20%, through the utilization of the Open API.

Health Care Management System Using NoSQL ([GitHub](#))

Academic Project

- Conducted a comprehensive performance evaluation of MongoDB, Cassandra, and DynamoDB on AWS using a healthcare dataset.
- Assessed performance under various workloads and scalability scenarios, providing valuable insights for selecting NoSQL database.

EDUCATION

ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO, IL

Aug 2022 – May 2024

Master of Computer Science

GPA 3.7/4.00

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, INDIA

July 2016 – May 2020

Bachelor of Engineering - Computer Science Engineering

GPA 3.8/4.00