

Karthik Vanabhojana

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Education

Northeastern University

Boston, MA

Master of Science in Information Systems, GPA 3.55

Expected May 2025

- Relevant Courses: Application Development and Engineering (Java), Web Engineering (React) Design and User Experience Network Structure and Cloud Computing (AWS), Program structure and Algorithms

Visvesvaraya Technological University

Bengaluru, India

B.E. in Mechanical Engineering

Aug. 2016 - Aug. 2020

Skills

Languages: Java, Python, SQL, JavaScript, HTML and CSS

Technologies & Tools: Maven, Kafka, Spring-boot, Excel, Microservices Architecture, Bootstrap, Tailwind, TypeScript React, Express Js, Nodejs, Angular Js, AWS, EC2, Linux, Junit, Terraform, Spring MVC, jQuery, Karate testing, GitHub and GitOps

Languages: MongoDB, MySQL, and PostgreSQL

Experience

Accenture

Bengaluru, India

Custom Software Engineering Analyst

Feb. 2023 - Jun. 2023

- Developed unique libraries in Java to simplify logging and exception handling, reducing code complexity by 10% and ensuring adaptability to evolving data landscapes
- Implemented ELK (Elasticsearch, Logstash, Kibana) for log aggregation, enhancing data transfer from client servers to the marketplace layer during the development of the data catalog
- Leveraged Spring Boot framework for streamlined integration of ELK into the application architecture, ensuring efficient data flow and monitoring capabilities

Custom Software Engineering Associate

Aug. 2022 - Jan. 2023

- Orchestrated a robust API layer using Java, MVC, Hibernate, and Spring Boot to seamlessly integrate vendor and host systems, enhancing data sharing and system compatibility, which resulted in a significant 15% reduction in production lead time, optimizing operational efficiency and accelerating project delivery
- Implemented the practices of prioritized peer-review methodologies, following through on enhancing code quality and fostering team collaboration within the Agile software context

Application Development Associate

Jan. 2021 - Jul. 2022

- Engineered a marketplace data catalog using Java, GraphQL, REST, and SQL for seamless data transmission across applications via APIs
- Utilized Git and GitHub for version control and collaboration, ensuring seamless integration of these libraries into the project workflow
- Exhibited strong problem-solving skills, adeptly analysing complex issues, and implementing innovative solutions to foster a collaborative and productive work environment

Projects

Northeastern University

Boston, MA

Personalized accommodation for University Accommodation

Nov. 2023 - Dec. 2023

- Engineered a web application utilizing Next.js, Typescript, Tailwind, and MongoDB, tailored to meet the accommodation needs of university students relocating to new areas, highlighting proficiency in modern web development technologies
- Implemented robust security measures including secure authentication with university email IDs and bcrypt encryption, effectively mitigating the risk of frauds and ensuring user data integrity and confidentiality

MHelp project to manage e-platform for Hospital

Nov. 2023 - Dec. 2023

- Led a collaborative three-person project under supervision, focusing on designing an all-encompassing healthcare application, displaying effective teamwork and project management skills
- Employed Java object-oriented design principles to develop a scalable and efficient system architecture for the healthcare application, ensuring robustness and flexibility in its implementation.