

# CHARAN KUMAR KAMASANI

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## PROFESSIONAL SUMMARY

As a skilled Java Full Stack Developer with 3 years of experience in building scalable applications using Java 17, Spring Boot microservices, Python, and SQL. Proficient in frontend technologies like Angular/React, HTML, CSS, and JavaScript, alongside backend API development. Experienced with AWS cloud deployment, Git, Docker, and Agile methodologies. Passionate about writing clean code and delivering quality software through collaborative teamwork.

## TECHNICAL SKILLS

Technical Category	Technical Skills
Programming Languages	Java 17, Java 8, Python, Type Script
Frontend Development	HTML, CSS, JavaScript
Backend Frameworks	Spring Boot
Cloud Platforms & Services	AWS (EC2, S3, RDS, SNS, CloudWatch, EKS)
Databases	MySQL, PostgreSQL, MongoDB, Redis, SQL Server
Tools & Platforms	Git, GitHub, GitLab
API Development & Testing	REST APIs, POSTMAN, JUnit
CI/CD & Automation	Jenkins, Azure DevOps, Python scripting for automation
Development Practices	Agile / Scrum
Code Quality & Security	SonarQube, Fortify, Git, Jira
Architecture & Deployment	Heroku, Netlify (for small project deployment)

## EXPERIENCE

AMERICAN EXPRESS	AUG 2024– PRESENT
Software Engineer	United States
<ul style="list-style-type: none"><li>Gained hands-on experience developing full-stack web applications for <b>risk analysis</b> and <b>rewards management</b> using <b>Java (Spring Boot)</b> and <b>React/Angular</b>.</li><li>Gained exposure to designing and integrating <b>RESTful APIs</b> to connect customer-facing dashboards with backend systems.</li><li>Used <b>MongoDB</b> to manage dynamic reward structures and customer segmentation data efficiently.</li><li>Integrated <b>Apache Kafka</b> to handle real-time transaction streams and trigger risk-related event alerts.</li><li>Gained experience with <b>AWS services</b> (e.g., EC2, S3, RDS) for deploying scalable applications and managing cloud-based data storage.</li><li>Collaborated with cross-functional teams (risk, rewards, data science) to deliver features aligned with business strategy.</li><li>Participated in Agile ceremonies, sprint planning, and continuous integration using <b>Git, Maven, Jenkins</b>, and <b>Docker</b>.</li></ul>	
DELOITTEE	JAN 2022 – DEC 2023
Java full stack developer	India
<ul style="list-style-type: none"><li><b>Reduced backend integration time by 30%</b> by developing scalable web applications using <b>Java</b> and <b>Spring Boot</b>, enabling faster rollout of new features across internal platforms.</li><li><b>Improved system modularity and simplified maintenance</b> by designing RESTful APIs that enabled efficient data flow between independently deployed microservices, which minimized dependencies between teams.</li></ul>	

- **Cut frontend bug reports by 40%** by building responsive and intuitive user interfaces using **Angular/React, HTML5, and CSS3**. Ensured optimal display across devices, reducing QA effort and improving user satisfaction.
- **Reduced frontend development time** through reusable components and form validations, enabling other developers to plug and play common UI patterns across multiple projects.
- Gained **hands-on experience integrating NoSQL and SQL databases**, using **MongoDB and MySQL** to handle backend logic and CRUD operations, which helped support scalable data storage for customer-facing features.
- Collaborated with frontend and backend teams to **streamline data exchange via REST APIs**, reducing communication gaps and enabling real-time UI updates across dashboards and reporting tools.
- **Improved code quality and onboarding efficiency** by writing clean, modular code and participating in regular code reviews. Actively applied feedback to accelerate learning and deliver production-ready features.
- **Reduced merge conflicts and enhanced team collaboration** by using **Git** and **GitHub** to manage feature branches, review pull requests, and maintain a clean, traceable codebase.
- **Gained practical CI/CD exposure** by working with tools like **Postman** and **Swagger** for API testing and documentation, contributing to smoother deployment cycles and automated testing pipelines.

## ACHIEVEMENTS

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- Developed a machine learning model to predict house prices using datasets with features like location, size, and amenities, achieving 90% accuracy and improving prediction reliability for real estate decision-making. Enhanced platform observability by integrating Prometheus, Grafana, and Splunk for real-time monitoring and proactive troubleshooting, leading to a 30% decrease in customer support response time and improved user satisfaction.
- Successfully integrated third-party APIs to extend application functionality, boosting user retention.
- Earned certifications/badges in Java, SQL, and Full Stack Development from Hacker Rank, validating proficiency in key technologies.
- Achieved **good score** on Hacker Rank in Java and SQL challenges, demonstrating strong problem-solving and coding skills.

## CERTIFICATIONS

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- Microsoft Certified: Azure AI Fundamentals (AI-900): Microsoft Demonstrates foundational knowledge of artificial intelligence (AI) and Machine Learning (ML) concepts and services on Microsoft Azure.
- Frontend Developer Certification: Covered HTML, CSS, JavaScript, React, Git, responsive design, and front-end deployment.
- Python for Data Science, AI & Development-IBM: Covered Python programming fundamentals, data analysis, visualization and basics AI concepts relevant to data science and development.
- Introduction to HTML5: Learned the fundamentals of HTML5, including semantic elements, multimedia integration, and responsive web design basics.
- Java Full Stack Developer Certificate (Coursera): Covered frontend and backend development using Java, Spring Boot, REST APIs, HTML, CSS, JavaScript, Angular/React, and database technologies.

## EDUCATION

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- **Master of Science in Computer Science** | University of Central Missouri, Missouri CGPA: 3.7(based on 9 subjects completed)
- **Bachelor of Technology in Electronics & Communication Engineering** | MITS |CGPA: 9.0