

Padmaja Ramesh

Atlanta,GA | **E-mail:** padmajaramesh1205@gmail.com | **Cell:** (715) 559 6225
LinkedIn: www.linkedin.com/in/padmaja-ramesh | **GitHub:** <https://github.com/padmaja125>

SUMMARY OF QUALIFICATION

Versatile Data Engineer and Software Engineer with over 2 years of experience in backend and frontend development. Proficient in Java, Python, and cloud platforms like AWS, with strong expertise in data engineering, REST API design, and CI/CD automation. Currently enhancing AI skills through the Headstarter AI Engineer Program, focusing on cutting-edge technologies and practical applications. Committed to building scalable solutions and continuously improving technical skills.

TECHNICAL SKILLS

- **Programming Languages:** Python (Python 2/3), Java, JavaScript, SQL
- **Web Frameworks:** Django, Flask, Spring Boot, Vue.js, React.js
- **Data Engineering Tools:** Hadoop, Spark, Apache Kafka, Apache Airflow
- **Databases:** MySQL, PostgreSQL, Couchbase DB, DynamoDB
- **Cloud Platforms:** AWS (EC2, S3, Glue, Lambda, CloudFormation), Azure
- **ETL Tools:** Talend, Informatica, AWS Glue
- **Reporting & Visualization:** Power BI, Tableau
- **CI/CD Tools:** Jenkins, GitLab, Docker
- **Testing Tools:** JUnit, Selenium, REST Assured
- **Version Control:** Git, BitBucket
- **IDEs:** PyCharm, IntelliJ, Visual Studio Code, Spring Tool Suite

PROFESSIONAL WORK EXPERIENCE

Full Stack Developer | USAA - Remote | September 2022 - February 2023

- Developed and optimized ETL processes using AWS Glue, integrating data from multiple sources to reduce processing time by 30%.
- Stabilized Java Gradle-based applications, enhancing release efficiency with CI/CD automation.
- Conducted comprehensive manual and automated testing using Selenium and REST Assured, ensuring performance standards were met.

Full Stack Developer | Vanguard - Remote | August 2021 - September 2022

- Built dynamic web applications using Java and Vue.js, adhering to MVC architecture.
- Integrated REST APIs with front-end components, improving user experience by 25%.

- Implemented CI/CD pipelines using Jenkins and GitLab, reducing deployment time by 40%.

Software Developer | IBM - Remote | April 2021 - June 2021

- Managed Kubernetes deployments, optimizing application performance in containers for scalability.
- Implemented Continuous Integration with Jenkins for efficient build processes, automating the software development lifecycle.

PROFESSIONAL DEVELOPMENT

Headstarter AI Engineer Program | July 2024 - September 2024 (Ongoing)

- Participating in an intensive 7-week program focused on AI, web development, and cloud technologies.
- **Week 1:** Developed a personal website using HTML, CSS, and managed DNS settings.
- **Week 2:** Built a Pantry Tracker application with ReactJS, NextJS, and Firebase integration.
- **Week 3:** Created an AI Customer Support system using OpenAI, NextJS, and AWS.
- **Week 4:** Integrated AI Flashcards with Stripe API, focusing on authentication and payment processing.
- **Week 5:** Implemented an AI Rate My Professor feature, leveraging Retrieval-Augmented Generation (RAG) and OpenAI.
- **Week 6:** Prepared to ship a product to 1000 users, with a focus on Branding, UI, and meeting deadlines.
- **Week 7:** Currently refining presentation skills, selling, and speaking techniques to present projects to engineers.

VOLUNTEER EXPERIENCE

Meta-Analyst | Crowd Doing - Remote | September 2020 - March 2021

- Selected data annotations critical to model performance, ensuring high-quality datasets.
- Collaborated with a team to evaluate the effectiveness of articles and ingredients for data models.

Data Web Scraper | Crowd Doing - Remote | May 2020 - September 2020

- Re-engineered web scraper tools to efficiently collect data for analysis.
- Enhanced reporting systems using GitLab and Trello, improving project transparency and communication.

CERTIFICATIONS

- **IBM SkillsBuild:** Per Scholas MERN Stack Course & Web Development | March 2024

- **Per Scholas:** Data Analyst Core & Professional Skills | October 2023
- **Microsoft Azure:** AZ-900: Microsoft Azure Fundamentals | March 2023
- **PCEP:** Certified Entry Level Programmer | January 2022
- **Cloud Skills Challenge:** Machine Learning Challenge Completion | August 2023

EDUCATION

Per Scholas | Pittsburgh, PA (Remote) | May 2022 – August 2022

Full-Stack Java Development

Anna University | Tamilnadu, India | September 2008 - July 2012

Bachelor of Engineering