

# Ujwal Karippali Chandran

+1 (303) 260-9370 | [linkedin.com/in/ujwalkc](https://www.linkedin.com/in/ujwalkc) | [ujwalkpl.github.io](https://ujwalkpl.github.io) | [ujka7319@colorado.edu](mailto:ujka7319@colorado.edu)

Software Engineer with 3+ years of experience building scalable microservices and web apps using Java, Spring Boot, and React. Led initiatives that improved deployment speed by 25%, reduced service disruptions by 20%. AWS Certified with hands-on expertise in Kafka, Cassandra, Jenkins, Kubernetes and performance monitoring tools like Splunk and Grafana.

## Education

**Master of Science in Computer Science**, University of Colorado, Boulder, USA — GPA: 4.00/4.00 May 2026  
**Bachelor of Engineering in Information Science**, Ramaiah Institute of Technology, India — GPA: 8.84/10 Jun 2021

## Industry Experience

**JPMorgan Chase & Co.** Bengaluru, India  
Software Engineer 2 Jan 2023 – Aug 2024

- Specialized in designing and developing Java-based(Spring Boot) microservices, RESTful web services and building user interfaces with React.ts for web apps enabling customers open investment accounts, supporting 2000+ applications daily.
- Collaborated with fellow developers and cross-functional teams across countries to design and implement an efficient event-driven architecture using Kafka, reducing the investment account opening time from 2 days to 15 seconds.
- Conducted A/B testing on React-based Account opening confirmation pages , increasing funding click-through rates by 8% thereby boosting overall account openings.
- Set up Splunk queries and alerts to monitor microservices and generate detailed performance reports, improving incident response times by 20%, and led root cause analysis to track defect resolution to completion.
- Developed and maintained end-to-end automated UI test suites for React workflows using Selenium-based tools, increasing test coverage and reducing manual QA time by 25%.
- Built and maintained end-to-end API tests using Karate and Cucumber, reducing regression testing time by 15% and ensuring consistent integration across microservices.

**JPMorgan Chase & Co.** Bengaluru, India  
Software Engineer 1 Aug 2021 – Dec 2022

- Engineered real-time system monitoring dashboards using Grafana and Prometheus, visualizing key performance indicators (KPIs) across 4 critical applications maintaining 99.99% system uptime and availability.
- Configured Adobe Analytics to generate customer journey reports, identifying bottlenecks, cut processing time by 15%.
- Performed resiliency tests on Kafka by simulating failures and verifying replication; conducted Chaos Monkey tests on microservices, Kafka, and Cassandra, resulting in a 20% reduction in service disruptions during peak loads.
- Earned a fast-track promotion to Software Engineer 2, awarded to the top 4% of engineers globally at Chase.

**JPMorgan Chase & Co.** Bengaluru, India  
Software Engineer Intern Mar 2021 – Jul 2021

- Integrated Blazemeter with Jenkins CI/CD pipelines to enable automated performance testing, improving release reliability and reducing post-deployment issues by 25%.
- Leveraged Cassandra DB to store and update data as customers progressed through the application flow.
- Led development of a proof-of-concept to migrate the Account Opening application from J.P. Morgan's private cloud to AWS using containerization with Docker and orchestration via the in-house Kubernetes service, identifying opportunities for up to 20% infrastructure cost reduction and improved scalability.

## Technical Skills

**Languages:** Java, Python, SQL, C, C++, Go, CQL,TypeScript, JavaScript, HTML, CSS, jQuery, JSON, Groovy

**Frameworks:** Spring Boot, React, Ajax, Flask, Django, Scikit, Node.js, TensorFlow, Keras, Angular, Machine Learning

**Tools/Databases:** Kubernetes, Docker, Git, PostgreSQL, MySQL, Cassandra, Kafka, MongoDB, Linux OS, Jenkins, NPM

**Cloud Platforms :** AWS Certified, Google Cloud Platform, Cloud computing

**Development practices:** DevOps, Integration testing, Code review, Backend development, Automated tests, containerization, Agile Methodology, Bug Tracking, A/B testing, SDLC, Jira, Documentation, Software Engineering, Full-stack development.

## Projects

**Click4News :Website link** **React.js, Mapbox, Kafka, Transformers, AWS SQS, Github Actions**

- Led development of a real-time news aggregator using FastAPI and AWS SQS to stream API-fetched breaking news.
- Applied transformer-based NLP models to summarize articles and detect fake news with improved reliability.
- Developed an interactive frontend using React and Mapbox to visualize trending news based on user location.