

## Jency F

Sunnyvale, CA | jencyfran04@gmail.com | 408-691-9185 | [LinkedIn](#)

---

## PROFESSIONAL SUMMARY

- Over 8 years of hands-on experience in the design, development, and implementation of data science solutions.
  - Proficient in designing and developing GenAI applications, delivering cutting-edge artificial intelligence solutions.
  - Specialized in Natural Language Processing (NLP), enhancing text analysis and language understanding capabilities.
  - Skilled in the development and fine-tuning of Large Language Models (LLMs) for various applications.
  - Experienced in designing and implementing MLOps pipelines, ensuring seamless integration and deployment of machine learning models.
  - Strong understanding of AI/ML lifecycle management, optimizing workflows from data ingestion to model deployment.
  - Proficient in developing containerized ML pipelines using Docker and Kubernetes for scalable and reproducible environments.
  - Expert in Python programming, leveraging libraries and frameworks for data science and machine learning tasks.
  - Extensive experience with PySpark for big data processing and analytics.
  - Skilled in using PyTorch for building and training deep learning models.
  - Hands-on experience with Lang Chain for creating sophisticated language models.
  - Extensive experience with Google Cloud Platform (GCP) for deploying and managing scalable data solutions.
  - Proficient in web development technologies including React JS, Node.js, Angular, Django, and Flask.
  - Experienced in using Docker and Kubernetes for containerization and orchestration of applications.
  - Strong skills in data visualization tools such as Tableau and PowerBI for presenting actionable insights.
  - Adept at using Agile methodologies for efficient project management and delivery.
- 

## TECHNICAL SKILLS

- **Languages:** Python, Java, JavaScript
- **AI/ML Tools:** PySpark, PyTorch, Lang Chain
- **Cloud Computing:** GCP, AWS, Microsoft Azure, Vertex AI
- **Web Development:** React JS, Node.js, Angular, Django, Flask
- **Containerization and Orchestration:** Docker, Kubernetes, Kubeflow
- **Data Science:** NLP, LLMs, GenAI, AI/ML algorithms, Data Visualization (Tableau, PowerBI)
- **Development Tools:** Git, GitHub, GitLab, Bitbucket, Maven
- **Defect Tracking:** Jira, HP Quality Centre
- **Methodologies:** Agile, Waterfall

---

## WORK EXPERIENCE

### Podscribe, Sunnyvale, CA

#### Data Scientist

*Aug 2023 - Present*

- Led the design and development of GenAI applications, creating an interactive dashboard that significantly improved user engagement.
- Enhanced ad detection accuracy by 30% through the implementation of NLP techniques for text classification.
- Developed and fine-tuned large language models, improving the performance of recommendation systems.
- Designed and maintained MLOps pipelines using Kubeflow, automating the deployment and monitoring of ML models.
- Applied both parameterized and non-parameterized algorithms to improve model accuracy and efficiency.
- Managed scalable infrastructure on GCP using Vertex AI for data engineering workloads.
- Created a React-based web application for advertiser billing, streamlining financial services.
- Automated deployment pipelines with Docker and Kubernetes, achieving a 60% increase in deployment efficiency.
- Utilized Tableau for advanced data visualization, impacting business outcomes with a 12% revenue increase.
- Implemented RESTful APIs with thorough unit testing, ensuring 100% code coverage.

### Franklin Templeton Investments, San Mateo, CA

#### Machine Learning Engineer

*May 2022 - Aug 2023*

- Designed GenAI applications for portfolio analytics, enhancing the efficiency of the Portfolio Solutions group.
- Implemented NLP models for sentiment analysis, improving the accuracy of market sentiment predictions.
- Built LLM-based applications for competitor profiling, increasing the depth of competitive analysis.
- Developed MLOps pipelines with Kubeflow, integrating Jenkins for continuous deployment and monitoring.
- Leveraged tree-based algorithms and k-means clustering for financial data analysis.
- Utilized GCP services like Big Query and Vertex AI for analytics and data engineering.
- Developed full-stack applications using React, Next.js, Python, and MongoDB.
- Integrated Docker with Jenkins for automated deployment, ensuring high availability and fault tolerance.

- Conducted comprehensive lifecycle management for AI/ML applications, from data ingestion to deployment.
- Provided mentorship to junior developers, facilitating smooth project execution across teams.

## **LOWES, Houston, TX**

### **Data Analyst**

*Jan 2020 - May 2022*

- Conducted in-depth data analysis to drive strategic decision-making for personalized planning platforms.
- Developed ETL scripts in Python to streamline data migration and integration processes.
- Utilized Django for web application development, improving data handling and visualization.
- Created RESTful APIs to enhance data accessibility and integration.
- Implemented cloud-based solutions on AWS for data storage and retrieval.
- Improved data quality and consistency through automated validation and transformation techniques.
- Ensured compliance with regulatory requirements, safeguarding data integrity and security.
- Developed reports and dashboards using Tableau and PowerBI for enhanced data insights.
- Participated in agile development cycles, contributing to the successful delivery of multiple projects.
- Worked with cross-functional teams to optimize platform performance and user experience.

## **Fidelity Investments, Bengaluru, IN**

### **Python Developer**

*July 2016 - Nov 2019*

- Applied advanced AI/ML algorithms to derive insights, enhancing the competitive advantage.
- Developed and optimized data pipelines, improving data accuracy by 30%.
- Deployed applications using Docker, Kubernetes, and GCP, ensuring scalability and reliability.
- Built robust backend services and interactive UI applications with React JS and Node.js.
- Created automation scripts in Python and Bash, enhancing operational efficiency.
- Engaged in agile development processes, delivering high-quality software through iterative improvements.
- Developed RESTful services and integrated with web APIs for seamless data exchange.
- Designed dashboards and reports, providing actionable insights to stakeholders.

- Conducted performance tuning and optimization for database and application components.
- Worked closely with cross-functional teams to deliver well-architected software solutions.

---

## **ADDITIONAL TRAINING AND CERTIFICATIONS**

- AWS DevOps Blue/Green Pipeline on Amazon ECS
- Google Cloud Platform - Core Infrastructure
- Web Security: OAuth and OpenID Connect
- Machine Learning - Google AI
- Microsoft Azure Synapse
- DevOps Foundation: DevSecOps

## **EDUCATION**

### **KGiSL Institute of Technology, Coimbatore, IN**

Bachelor's in Computer Science: Object-oriented Design, Data Structures, Human-Computer Interaction

*Aug 2012 - Jun 2016*