

Uday Varma Rudraraju

Los Angeles | 5626739262 | rudraraju.udayvarma@gmail.com | <https://www.linkedin.com/in/udayvarma1999/>

EDUCATION

Data Camp School

July 2024 - Present

Associate Data Engineer

California State University Long Beach, CA Master

August 2022-May 2024

Master of Science in Computer Science, GPA 3.4/4.0

Anna University, Tamil Nadu, India

July 2017-May 2021

Bachelor of Engineering in Computer Science GPA 7.8/10

EXPERIENCE

Software Engineer Fellow - Internship

July 2024 - September 2024

Headstarter AI

Remote - United States

- Spearheaded the development and deployment of five AI-powered projects, mastering technologies like Next.js, Firebase, Sanity, and Open AI.
- Led cross-functional teams during weekly hackathons, successfully developing innovative projects under tight deadlines, and enhancing collaboration, leadership, and problem-solving skills.
- Collaborated on full-stack development projects using ReactJS, Next.js, and Stripe, integrating AI models and cloud services to drive business value and scalability.
- Engineered the backend infrastructure for an AI complaint detection web app using Flask, SQL and Postgre SQL.
- Developed a Pantry Tracker application using React JS, Next JS and Firebase

Associate Software Engineer

December 2020 - July 2022

Pay Point Services Pvt Ltd

Chennai, India

- Implemented integration solutions using MuleSoft iPaaS, enhancing data flow and interoperability across enterprise systems.
- Designed and built APIs using Mule ESB, Any Point Platform, and API Gateway
- Conceptualized and developed APIs, defining endpoints and data transformation's using Data Weave.
- Transformed data and defined APIs with Data Weave and RAML for consistency and Addressed connectivity challenges and performance with innovative solutions.
- Troubleshoot and resolved API issues, documented clearly, and deployed using CI/CD
- Supported the Deployment of MuleSoft Applications on Cloud Hub, assisting in managing runtime configurations and ensuring smooth operation of APIs in a cloud environment.
- Created Detailed Technical Documentation for APIs and integration solutions, facilitating knowledge sharing within the team and ensuring consistency in development practices.
- Developed and managed APIs using MuleSoft Any point Platform to facilitate secure and scalable integration with third-party payment service providers.
- Ensured all integration solutions adhered to industry standards and regulatory requirements, including PCI DSS compliance, to maintain the security and integrity of payment data.
- Engineered real-Time data integration solutions for payment processing systems, enhancing the speed and reliability of financial transactions and reporting solutions using MuleSoft iPaaS Platform.
- Implemented robust error handling and troubleshooting mechanisms within the MuleSoft environment to quickly identify and resolve issues related to payment transactions and integrations.
- Learned and applied API-led connectivity principles to build reusable APIs, ensuring scalable and secure integration architecture.
- Engaged in comprehensive training on MuleSoft Any point Platform, gaining foundational knowledge of integration concepts, API development, and MuleSoft tools.
- Learned and practiced data transformation techniques using Data Weave to map and transform data between various formats (XML, JSON, CSV).
- Learned debugging techniques in any point Studio and assisted in identifying and resolving issues in integration flows during development.

TECHNICALSKILLS

- **Programming Languages:** Python, Data-Weave, JSON, RAML, HTML, CSS, JavaScript, API
- **Software and Tools:** MuleSoft Any point Studio, Any point Platform, Data Weave, Postman, Git, Jenkins
- **Integration and Middleware:** MuleSoft Connectors, Message Queues (JMS, ActiveMQ), Web Services (REST, SOAP)
- **Libraries and Frameworks:** Data Weave, RAML, M-Unit, API-kit, Graph-QL, Metadata API
- **API Development and Management:** API Design, RAML Specifications, API Security, API Policies, Rate Limiting, SLA
- **MuleSoft Platform Skills:** API Gateway, API Manager, Runtime Manager, Exchange, Cloud Hub, Mule Runtime
- **Soft Skills:** Problem-solving, Management skills, Interpersonal skills, Debugging, Innovative, Collaborative

PROJECTS

RESTful API for a Healthcare Management System | *JSON, RAML, Any Point Platform, Any Point Studio, Data weave*

- Developed and Deployed Secure RESTful APIs using MuleSoft any point Platform, enhancing patient data management and integration with Electronic Health Records (EHR) systems.
- Implemented Data Transformation and Integration Solutions using Data Weave, enabling seamless data exchange between healthcare applications, including appointment scheduling, pharmacy management, and billing systems.
- Utilized OAuth 2.0 and JWT for API Security to protect sensitive patient information and ensure authorized access, achieving a 70% uptime with scalable deployment on Cloud Hub.

Customer Feedback Analysis API | *JSON, Any Point Platform, Any Point Studio, Exchange, Mule ESB, Data Weave*

- Designed and deployed an API with Mule ESB to aggregate customer feedback from social media, emails, and surveys enhancing the brand's responsiveness to customer needs.
- Applied sentiment analysis using Python and integrated with MuleSoft API connectors, achieving an 85% accuracy rate in identifying customer sentiment trends and improving product offerings based on feedback.

Chatbot Integration with MuleSoft | *RAML, Any Point Platform, Any Point Studio, Data Weave, NLP, Data weave*

- Designed and Implemented Chatbot Integration using MuleSoft any point Platform, enabling real-time communication with backend systems such as CRM and databases, improving customer interaction and support.
- Managed End-to-End Project Lifecycle, from requirements gathering and design to implementation, testing, and deployment, ensuring timely delivery and meeting project objectives.
- Documented Project Processes and Technical Specifications, providing comprehensive documentation to support future maintenance and enhancements of the chatbot integration.

Object Size Measurement using Computer Vision | *COCO Classes, YOLOR, Py-Torch, Python, Open CV, CNN*

- Proposing the use of YOLOR (You Only Learn One Representation) algorithm for object detection, an enhanced version of YOLO (You Only Look Once).
- YOLOR improves object detection accuracy by learning more effective feature representations using a self-attention mechanism and operates at a fixed scale, ensuring high accuracy with faster and more efficient processing.

CERTIFICATIONS

- MuleSoft Developer Level 1
- Associate Data Engineer - Data Camp
- Oracle Certified Generative AI professional.
- Databricks Certified Generative AI fundamentals
- Salesforce Administrator
- Salesforce Platform Developer 1