Ryan Stoffel

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EDUCATION

California Baptist University   Expected: Apr. 2027
Bachelor of Science in Computer Science – Concentration in AI/Machine Learning   Riverside, CA

COMPUTER SCIENCE EXPERIENCE

Software Engineering Research Assistant   May 2025 – Present
Salesforce & AI Agent Development   Riverside, CA
CAiMLL (CBU AI and Machine Learning Lab)

- Designed and deployed advanced Salesforce solutions using Apex, Triggers, SOQL, Flows, Prompt Templates, and AI Agents through Agentforce, driving automation and data-driven decision making.
- Architected secure Salesforce environments that streamlined research workflows and accelerated innovation across multiple stakeholder groups.
- Led deployments across multiple Salesforce orgs using manifest-driven version control, Salesforce CLI, GitHub, and Jira—ensuring reliable releases and improving cross-org consistency.
- Contributed to a 10-person team, participating in weekly sprints and delivering high-impact projects such as a Meeting Report Generator leveraging AI and Apex to accelerate operational reporting.

DINA Matching Engine (DME)   Aug. 2025 – Present
Developed while working @ CAiMLL (CBU AI and Machine Learning Lab)   Riverside, CA

- **Version 1 (Salesforce-Native):** Architected and developed an end-to-end Salesforce matching engine using Apex to recommend related objects via vector cosine similarity through Data Cloud's SQL Connect API namespace.
- Designed and implemented a smart caching system with batch processing and queueable architecture to persist recommendations in-org, reducing recommendation latency by **90%**—from 45–60 seconds to ˜3 seconds.
- Built a dynamic recommendation controller supporting bidirectional matching across multiple object types, with configurable processing flows and automated retry logic.
- **Version 2 (GCP Integration):** Collaborated with a small team to migrate the matching engine to Google Cloud Platform, owning the Salesforce-to-GCP data integration pipeline.
- Developed Python scripts to extract Salesforce data via the Salesforce API, transform it into vector embeddings, and load it into PostgreSQL, establishing a robust ETL pipeline for recommendation generation.
- Built bidirectional sync tools to import GCP-generated recommendations back into Salesforce, mapping complex metadata including LLM token usage, similarity scores, and recommendation reports.
- Both versions deployed to production, actively used by leadership to accelerate data-driven decision-making and collaboration across research teams.

ADDITIONAL WORK EXPERIENCE

Chick-Fil-A Trainer   Jun. 2023 – Aug. 2025
Chick-fil-A, The Crossings   Corona, CA

- Trained and mentored new team members on food safety, customer service, and operational procedures, ensuring smooth onboarding and consistent performance.
- Led by example in a high-volume, fast-paced environment, maintaining efficiency and accuracy during peak hours.
- Collaborated with managers and team members to improve workflows, streamline service, and maintain company customer service standards.
- Developed strong communication and leadership skills by coaching peers, resolving conflicts, and adapting under pressure.

TECHNICAL SKILLS

Programming Languages: Java, C++, Python, Apex, SQL, SOQL, JavaScript, HTML/CSS
Frameworks: React, Next.js
Developer Tools: Linux (Arch & NixOS), MacOS, Neovim, Vim, Git, PostgreSQL, MySQL