

Ally Gabrielle Ramos Salvio

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SUMMARY

Senior Software Engineer and technical leader with 8+ years of experience building software applications, cloud platforms, laboratory automation systems, and data-driven solutions. Experienced in leading technical initiatives, mentoring engineers, coordinating cross-functional teams, defining requirements and priorities, and delivering software improvements from planning through implementation. Hands-on expertise across Python, Django, React, TypeScript, JavaScript, Java, and SQL, with experience spanning application development, automation, platform modernization, and technical project leadership.

EDUCATION

Center for Scientific Research and Higher Education of Ensenada

M.Sc., Computer Science

National Technical Institute of Mexico – Campus Cuauhtémoc City

B.E., Mechatronics Engineering

EXPERIENCE

Senior Software Engineer

Myriad Genetics

Oct 2022 – Present

San Francisco, CA

- Led the design and implementation of a new frontend technology stack, reducing concept-to-launch time by more than 25%.
- Partner with cross-functional stakeholders to define software requirements, scope, priorities, and technical deliverables, aligning engineering initiatives with business and laboratory objectives.
- Lead the Software Automation team's interface with San Francisco laboratory operators, coordinating technical support, troubleshooting, and operational feedback to improve automation reliability and laboratory workflows.
- Manage technical deliverables and prioritize engineering work to drive platform upgrades and software initiatives, including delivery ahead of schedule.
- Translate laboratory and operational requirements into software solutions by collaborating with engineering teams and non-technical stakeholders.
- Coordinate technical issues, user feedback, and operational requirements between software engineering and laboratory teams to improve system reliability and usability.
- Technologies: Python · Django · React · TypeScript · JavaScript · SQL · Docker · Kubernetes · GitHub Enterprise · Jira

Principal Member of Technical Staff

Oracle

Sep 2020 – Jan 2023

- Led a small engineering team within the broader organization to deliver strategic enhancements to Oracle Cloud Analytics.
- Served as one of four squad leaders within the manager's organization, driving key deliverables and mentoring team members to improve productivity and execution.
- Developed user-facing solutions for Oracle Cloud Analytics using JavaScript, enhancing data analysis capabilities and user experience.
- Collaborated on the design and implementation of fine-grained permissions changes for Oracle Analytics Cloud.
- Led Oracle JET version upgrades within Oracle Analytics Cloud, improving application stability and compatibility.
- Coordinated technical priorities and deliverables while contributing hands-on software engineering expertise to the cloud analytics platform.

- Technologies: JavaScript · Oracle JET · Cloud Analytics · Jira · GitHub Enterprise

Senior Software Developer

Jan 2019 – May 2020

BairesDev

- Collaborated as a subcontractor within a laboratory software automation team on Django-based projects supporting monitoring and control of laboratory processes and instruments.
- Implemented software features supporting laboratory automation, process monitoring, and instrument control.
- Worked with technical stakeholders to translate requirements into software enhancements for laboratory workflows.
- Technologies: Python · Django · Laboratory Automation

Python Developer

Jul 2018 – Aug 2020

CIGOM

- Led development of a Python plugin using the Jinja engine for metadata collection and integrated it with the CKAN platform.
- Established development workflows that standardized engineering processes and improved team productivity.
- Technologies: Python · Jinja · CKAN

TECHNICAL SKILLS

Languages: Python · Java · JavaScript · TypeScript · SQL

Frameworks & Libraries: Django · Django REST Framework · React · Oracle JET · Jinja

Software Engineering: Software Development · Software Architecture · API Development · Application Modernization · Automation · Data Pipelines · Frontend Development · Cloud Applications

Engineering Leadership: Technical Leadership · Technical Project Leadership · Team Leadership · Mentoring · Technical Decision-Making · Project Delivery

Program & Cross-functional Leadership: Requirements Definition · Scope Management · Prioritization · Delivery Planning · Risk Management · Stakeholder Management · Cross-functional Collaboration

Tools & Platforms: Docker · Kubernetes · GitHub Enterprise · Jira · Jenkins · GoCD · Selenium · CKAN