

# LORENZO LADELFA

## Software Engineering Leader

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Strategic and technically adept Software Engineering Leader with 20+ years of experience in driving complex cloud architectures, infrastructure automation, and software development initiatives. As an adept engineering director and technical architect, I have consistently delivered dependable, scalable, and cost-effective solutions tailored for extensive corporate environments. Proven track record of leading cross-functional teams through digital transformations and the migration of mission-critical applications to the cloud, with a focus on financial technologies and customer-facing Loyalty platforms.

**Expertise:** Software Development, Employee Development, Cloud Architecture & Strategy, Infrastructure Automation, DevOps, Software Engineering Leadership, Data architecture, Enterprise System Solutions, Application and Enterprise Architecture, Agile Frameworks, API Integration, Tech Strategy & Innovation, Technology Roadmaps, Cybersecurity, Product Management, Budget Management, Hiring & Team Management, Process Automation

**Technologies:** Python, AWS, JavaScript, NodeJS, Typescript, PHP, HTML, SQL, CSS, Java, Linux (Bash), CICD, Git, Docker & Container Systems, Oracle, Jira, Tableau, ServiceNow, Splunk, Swagger, Postman, Jenkins

### Recent Professional Experience

#### Capital One

July 2011 – October 2024

#### Director, Software Engineering – Card Loyalty (October 2023 – October 2024)

- Orchestrated 6 engineering teams composed of 30+ engineers in software engineering, delivering distributed, scalable, and highly resilient enterprise applications.
- Responsible for \$10M organizational budget with which I successfully recruited and developed high-performing teams that constantly hit KPI's.
- Collaborated with product owners, architects, software-designers and delivery leads to develop a domain-driven target state architecture, realigning organizational leadership, and modernizing our Core Loyalty Platform to support strategic objectives and future proof servicing solutions.
- **Key Accomplishments:**
  - Led the design and implementation of the Loyalty Management Platform which provides enterprise scale benefits management capabilities to our business team allowing them to add and adjust customer benefits in real-time to align with business objectives.
  - Drove the implementation of a customer facing security enhancement to our miles transfer loyalty program that addressed \$300k of monthly fraudulent activity by adding a security step up feature virtually eliminating the fraud.
  - Established a SRE team within the Loyalty organization, setting up SLOs and SLIs, and driving the adoption of engineering best practices, leading to over 70% of components transitioning to serverless infrastructure across more than 20 teams.

#### Director, Software Engineering – Finance Tech (August 2022 – October 2023)

- Directed 4 teams comprised of 20+ engineers, driving modernization initiatives and fostering a culture of engineering excellence across the organization.
- Refactored legacy applications, boosting operational efficiency and reducing maintenance costs.
- Aligned with product and technology teams to introduce new features in financial applications, automating financial close processes and saving analysts 400 person hours per month.

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- **Key Accomplishments:**
  - Conducted a ROI analysis of high-cost applications, devising and executing a strategy that delivered over \$2.8M in annual savings.
  - Evaluated and replaced a vendor tool with an internal microservice solution, cutting exposure by over \$1M annually and reducing monthly business processes from 2 days to just 2 hours.

### Senior Manager, Software Engineering (January 2019 – August 2022)

- Led 2 engineering teams in the development of custom web applications, significantly improving the efficiency and accuracy of financial processes.
- **Key Accomplishments:**
  - Crafted a custom web and mobile application that automated quarterly earnings processes for CFO and investor relations, earning the prestigious Circle of Excellence award.
  - Designed and implemented a cloud-based pilot environment for OneStream on AWS, including rehydration hardening processes and s3 data transfer for data transformation initiatives, resulting in the move forward and successful implementation to replace Oracle Essbase.

### Manager, Software Engineering (August 2013 – January 2019)

- Coordinated cloud migration teams, overseeing the efficient transition of critical business processes and applications to AWS through strategic leadership and training initiatives.
- Delivered targeted technical training to cloud migration teams, accelerating the adoption of AWS best practices and enhancing team capabilities.
- **Key Accomplishments:**
  - Architected technical build components and frameworks on AWS, driving the migration of finance platforms, including the general ledger and enterprise reconciliation; led the migration of 1K+ interfaces and data migration, ensuring a smooth transition to the cloud.
  - Modernized monolithic applications and custom services, transitioning them to a microservices-based API architecture to ensure seamless cloud compliance.

### Additional Professional Experience

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|---|----------------------------|
| Capital One                               | July 2011 – August 2013    |
| Principal Associate, Software Engineering |                            |
| Sodexo                                    | April 2006 – June 2011     |
| Business Technology Specialist            |                            |
| Citigroup, Commercial Business Group      | November 2004 – April 2006 |
| Senior Recon Automation Developer         |                            |

### Education, Certifications, and Training

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Bachelor of Science in Business Administration – Management Information Systems, University at Buffalo

### Certifications and Training

- AWS Certified Solutions Architect - Associate, AWS
- CSSE, Capital One Tech College
- Technology Leadership Development Program, University of Virginia Darden School of Business