

Alice Aisly Valente

Senior Software Engineer / Senior Software Architect (10 YOY)

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Skills: SRE, CI/CD, Scalability, Agile/Scrum, AWS/Cloud, Python, Full stack, SQL, noSQL

SUMMARY

Senior engineer and architect with 10 years of experience building and scaling distributed systems across AWS and startups. Strong end-to-end ownership across design, delivery, and operations. Improved reliability and observability at fleet scale while balancing technical excellence with business velocity, leading cross-team technical initiatives, and raising team execution through process and operational excellence.

TECHNICAL SKILLS

Cloud/AWS: EC2, ECS, Lambda, S3, DynamoDB, IAM, CloudWatch, CloudFront, Glue, CDK, CloudFormation

Languages: Python, Bash, Java, JavaScript, SQL

Frameworks/Platforms: Node.js, React, Java EE

Datstores: PostgreSQL, Oracle, MySQL, NoSQL

Engineering: Distributed systems, networking, SRE (visibility, observability, monitoring & alerting), CI/CD, scalability, moving at startup speed, operations, Agile/Scrum, technical leadership & mentorship

EXPERIENCE

Software Dev Engineer II at Amazon Web Services (AWS)

2022-2026

- Designed and built scalable internal services to monitor the health of **hundreds of thousands of EBS servers** across varied hardware and complex customer traffic, enabling automated detection of degraded customer experience and fleet performance; achieved **90% proactive issue detection** and reduced customer reports reaching EBS engineers **by 80%+**.
- Drove cross-team alignment on ownership and architecture to deliver component-level observability (services emitting and storing metrics), surfacing previously unknown systemic issues and improving reliability **by ~two nines** through cross-team solutions.
- Championed execution and operational improvements: clarified priorities, strengthened Scrum practices, proactively improved and measured impact of alerting/operations tooling, and reduced low-value requests—resulting in **50%+ increase in feature delivery per engineer**.
- Mentored junior and mid-level engineers across multiple teams to build autonomy in design, delivery, and operational ownership.
- Interviewed and evaluated SDE I candidates using AWS hiring standards.

CTO at PranifyRx

2020-2022

- Architected and scaled the end-to-end tech stack for a startup targeting pharma marketing agencies; partnered with stakeholders to translate business needs into practical, efficient technical solutions.
- Evaluated hosting/compute options, adopted AWS, and coached engineers with no prior AWS experience to deliver prototypes and evolve them into scalable services.
- Led development of a browser extension; web scraping and data analysis workflows (Python/Bash); a React web application; a dashboard and proactive notification system; and internal reporting platform using **S3, Lambda, EC2, Node.js, DynamoDB, PostgreSQL**, while progressively building a CI/CD pipeline.

Software Engineer at Systems and Software (Mid Vertical)

2015-2020

- Maintained and enhanced a web-based CIS platform for utility companies using **Java EE, SQL (Oracle/MySQL), JavaScript/jQuery, JSP**, and Bash scripting.
- Translated ambiguous customer requirements into intuitive UX and robust workflows supporting diverse utility infrastructures and complex multi-state pricing, **driving sales** for new features.
- Identified performance bottlenecks and re-implemented processes to scale to 8-digit data volumes, reducing multiple monthly jobs **from > a week to < half a workday** for large customers, functionality replacing undocumented and not understood COBOL with efficient modern Java and SQL.
- During a 2-year Angular rebuild of the flagship service, mentored and onboarded 6 new hires and proposed design changes that reduced the project timeline by **~6 months**, accelerating delivery of critical features and enabling faster customer acquisition.

EDUCATION

University of Vermont, Honors College

2011-2015

B.S. Computer Science; B.S. Mathematics

- Tutored 20+ students in calculus, linear algebra, statistics, and Java programming.
- Conducted honors thesis research applying thermodynamic concepts to programmatically discover 20+ improved solutions to an NP-hard combinatorics problem.