

THOMAS JAE LEW

SOFTWARE ENGINEER — FULL STACK · DEVOPS · FINTECH

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Full-stack software engineer and DevOps architect. Shipped consumer lending features, including Buy Now, Pay Later, for Capital One, TD, PNC, and Barclays; built and ran the CI/CD deployment backbone serving ~200 application teams on the Fannie Mae engagement. Comfortable owning systems end-to-end, from application code to production infrastructure.

EXPERIENCE

Independent Software Projects — Software Engineer

Bay Area, CA · Feb 2026 – Present

- Designed and directed the AI-assisted development of a responsive portfolio in HTML, CSS, JavaScript and SVG, combining scroll-driven career sections, interactive project previews and hardware workflow diagrams with keyboard navigation and reduced-motion support.
- Directed the AI-assisted build of Atilt (atilt.app), a decision-weighting web app where users frame a yes-or-no question, score pros and cons by impact (1–5), and watch a live balance beam settle toward the heavier side.
- Directed AI-assisted development of Python Monte Carlo simulation tools with GUI and live data visualization (tkinter, matplotlib), modeling stochastic, rule-sequenced game systems across millions of trials.

Arista Corporation — Testing Technician

Fremont, CA · Jul 2025 – Feb 2026

- Quality assurance across 500+ industrial-grade PCs serving pharmaceutical, biotech, and life-science clients, including machines configured for ThinManager and the proprietary Q8 Edge OS.
- Executed burn-in, memory, I/O, and calibration test procedures; authored SOPs and product manuals.

Hexaware Technologies — Technical Architect

Iselin, NJ · Sep 2023 – May 2025

- Created and maintained automation deployment pipelines serving ~200 application teams and 100+ monthly deployments on the Fannie Mae engagement.
- Administered Jenkins CI/CD across dev, test, and production environments; delivery via UrbanCode Deploy and Bitbucket.
- Infrastructure as code with CloudFormation and S3; provisioned AWS container, RDS, and Redshift resources; supported modernization to GitLab and Terraform.

Revature — Software Developer

Reston, VA · Feb 2021 – Jul 2023

- Full-stack consulting engineer for various banking institutions including Capital One, TD, PNC, and Barclays on platforms serving millions of consumer-banking customers, primarily building Ruby backend services and React frontend interfaces.
- Developed a Buy Now, Pay Later feature for four major banking partners on the payments processing team; updated and created financial loan policies running live in production.
- Took a banking client's debut loan application from first commit to public launch within one year, test-driven and released through Jenkins UAT and production pipelines.

Earlier (2014–2020), I worked customer-facing and operations roles across hospitality, retail, and entertainment, the origin of a service-first engineering mindset.

EDUCATION

Solano Community College — A.S., Computer Information Science, Programming (2020)

University of California, Irvine — Biological Sciences (2013–2014)

SKILLS

Languages & Web: Ruby, React, JavaScript (ES6+), TypeScript, Python, SQL, Groovy, Bash/Shell; HTML5, CSS3, RESTful APIs; Java and Spring Framework.

DevOps & Cloud: Jenkins, IBM UrbanCode Deploy, GitLab CI/CD, JSON, YAML, Docker, Release Management; Amazon Web Services (AWS): CloudFormation, S3, RDS, Redshift; Terraform, Infrastructure as Code (IaC).

Testing & Systems: JUnit, Postman, Test-Driven Development (TDD), Unit Testing, User Acceptance Testing (UAT), Hardware QA; Burn-In Testing, Memory Diagnostics, I/O Validation, Calibration Testing; Windows, Linux, macOS, ThinManager, Q8 Edge OS.

Tools & Practices: Git, GitHub, Bitbucket, Jira Service Management, Agile/Scrum, SDLC, Object-Oriented Programming (OOP); SOP Authoring, Technical Documentation.