Lucia Wang

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LinkedIn

SUMMARY

Full-stack Mid-level Software Developer specializing in end-to-end development, adept in the latest cloud and web technologies, and interested in the convergence of computer science and neuroscience.

SKILLS

- **Programming Languages:** Kotlin, Java, Python, JavaScript, Bash
- **Frontend Technologies:** React, Angular, TypeScript
- **Backend Frameworks:** Spring Boot, Spring Batch, RESTful APIs, Node.js
- **DevOps Tools:** Git, Maven, Kubernetes, Docker, Linux, CI/CD Pipelines
- **Database Management:** MongoDB, PostgreSQL, Oracle Database
- **Project Management:** Agile/Scrum, GHA

TECHNICAL EXPERIENCE

Software Engineer II SEPT 2024 — Present
American Express *Phoenix, AZ*
Technologies: React, Kotlin, RESTful APIs, MongoDB, GHA, Docker, Git
- Contributed to the design and development of an anti-fraud and anti-money laundering (AML) platform to support regulatory compliance and reduce financial risk.
- Built modular and testable UI components using React to streamline fraud investigation workflows and deliver a responsive user experience.
- Developed Kotlin-based microservices that integrated with internal APIs and third-party data providers to assess transaction risk in real time.
- Reduced fraud case triage time by 30% by implementing intelligent scoring algorithms and dynamic filtering features.
- Collaborated cross-functionally with compliance, security, and data science teams to refine detection models and ensure audit readiness.
- Enhanced system reliability through observability tools, monitoring alerts, and robust CI/CD pipelines.

Software Engineer JUNE 2021— OCT 2023
General Motors *Chandler, AZ*
Technologies: Java, Spring Boot, Spring Batch, Angular, Kubernetes, CI/CD, Bash, Node.js, SQL, Git, Maven
- Progressed from an Entry-Level to Mid-Level Software Developer within 1.5 years, demonstrating technical proficiency and a robust work ethic.
- Contributed to the full-cycle development of an inventory management system from ideation to production deployment following Agile Methodologies.
- Significantly optimized data ETL processes for a backorders job, reducing processing time from 90 minutes to 5 minutes while maintaining data integrity.
- Implemented CI/CD pipelines in Azure to automate artifact deployment and configured Grafana for real-time monitoring, thus enhancing operational reliability and system performance..
- Migrated legacy applications to modern Angular interfaces, improving UX and meeting application compliance standards.
- Conducted peer code reviews and managed version control using Git, completing PRs that adhered to best practices and improved code quality.
- Delivered consistent on-call support for critical production applications, demonstrating dedication to operational excellence through rapid incident resolution.
- Maintained detailed documentation for each application, facilitating efficient knowledge transfer.

Software Engineer Intern MAY 2019 — AUG 2019
CornellCookson LLC *Goodyear, AZ*
- Updated firmware using C code to incorporate an upper photo-eye on industrial-grade doors, resulting in improved precision of the motor rotation calculations.
- Conducted comprehensive prototype testing to diagnose failures and propose firmware solutions

Undergraduate Research Assistant JAN 2019 — MAY 2021

University of Arizona   *Tucson, AZ*

- Analyzed research papers from global computer science conferences to create a comprehensive catalog of research artifacts, including code and data, to facilitate the reproducibility and extension of public research in the field.

EDUCATION

University of Arizona   **AUG 2017 — MAY 2021**

- Bachelor of Science - Computer Science
- Bachelor of Science - Neuroscience with an Emphasis in Computation
- National Merit Finalist (Full-Ride Scholarship)