

James Rainbolt

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EDUCATION

University of Illinois at Chicago

BS in Computer Science, Minor in Psychology

Chicago, IL

Graduated: December 2020

Harper College

Associates in Arts

Palatine, IL

Graduated: August 2018

EXPERIENCE

Visa

Senior Software Engineer

Foster City, CA

Aug 2022 – Current

- Integrated AI-assisted development into daily engineering workflows using Claude Code, Cline, and custom local MCP servers, accelerating development, test generation, debugging, and internal tooling automation.
- Designed and implemented a new payment rail adapter, integrating additional payment networks into Visa's orchestration layer to support multi-rail, cross-border payment processing.
- Architected and developed a custom Keycloak HSM extension to securely authorize and sign cryptographic keys using Hardware Security Modules (HSMs), replacing Keycloak-managed keys and improving compliance and key management security.
- Leveraged Google Cloud Platform services such as Spanner (MySQL interface) and Pub/Sub for high-throughput, event-driven processing—previously worked with RabbitMQ before migration to Pub/Sub for improved scalability and reliability.
- Actively contributed to team migration and onboarding during organizational restructuring—documented all onboarding sessions, created internal wikis, and recorded detailed video walkthroughs for local setup and end-to-end testing.
- Collaborate with cross-functional teams across infrastructure, security, and QA to ensure observability, high availability, and compliance in cloud deployments.
- Diagnose and resolve production issues while maintaining SLA adherence and overall system resiliency.

Infosys

Associate Software Developer

Phoenix, AZ

Jan 2021 – Aug 2022

- Contributed backend features for Visa's B2B Connect platform using Java/Spring Boot with MySQL, focusing on secure cross-border payment flows.
- Developed and maintained Kafka-based event-driven services, integrating transactional data streams between multiple microservices.

University of Illinois at Chicago

Undergraduate Teaching Assistant

Chicago, IL

Jan 2020 – Dec 2020

ADDITIONAL

- Relevant Coursework: Data Structures and Algorithms, Natural Language Processing, Data Science, Artificial Intelligence, Fundamentals of Concurrent Programming, User-Interface Design, Compiler Design
- Communities: IEEE, Linux Users Group, Association for Computing Machinery, Phi Theta Kappa
- Skills: Java, Python, C/C++, HTML/CSS/JavaScript, MySQL, Spring Boot, Angular, JPA/Hibernate, Jira, OOP