# James Rainbolt

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## EDUCATION

**University of Illinois at Chicago**                                                      **Chicago, IL**
*BS in Computer Science, Minor in Psychology*                          *Graduated: December 2020*

**Harper College**                                                                          **Palatine, IL**
*Associates in Arts*                                                          *Graduated: August 2018*

## EXPERIENCE

**Visa**                                                                                 **Foster City, CA**
*Senior Software Engineer*                                                      *Aug 2022 – Current*

- 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.
- Exposed to using Apache Airflow for workflow orchestration and Cucumber for automated acceptance testing, supporting adjacent integration and QA teams.
- Diagnose and resolve production issues while maintaining SLA adherence and overall system resiliency.

**Infosys**                                                                                 **Phoenix, AZ**
*Associate Software Developer*                                                 *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**                                                      **Chicago, IL**
*Undergraduate Teaching Assistant*                                             *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