

MILLER BATH

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TECHNICAL SKILLS

Languages | Java, JavaScript, Python, React, Node.js, C#
Back End | Dropwizard, REST APIs, Kafka, MongoDB, PostgreSQL, Microservices, .NET
Infrastructure | Kubernetes, AWS, ArgoCD, Docker, Jenkins, GitHub Actions, External Secrets Operator
Observability | OpenTelemetry, Honeycomb, PagerDuty, Snyk

EXPERIENCE

Software Engineer II, PayIt

Oct 2024 — Present

Payments Adoption team; also contributing to internal AI product expansion and agent-first SDLC initiatives

- Built **Payment Plans**, a recurring payment scheduling system using REST APIs, Kafka, MongoDB, automated email notifications, and OpenTelemetry in Honeycomb; delivered the feature **4 weeks ahead of schedule** using Claude Code and Cursor
- Eliminated dropped transactions during Kubernetes deployments by implementing graceful shutdown handling, enabling 24/7 deployments
- Increased Java security and reduced dependency drift by implementing lockfiles across **15 services**
- Reduced Google API spend by **\$40K/year (~30%)** by auditing usage and removing unnecessary contact and atmosphere data requests
- Mentored a software intern through scoping, pairing, and delivery of **11 production features** of an internal web app
- Refactored driver license barcode scanning to support modern AAMVA formats, shipping critical go-live work for **4 clients**
- Built an internal CLI in Go, connecting via Atlassian's API to score backlog tickets by AI suitability and ease of validation, enabling developers to send selected tickets to headless AI agents that generate GitHub pull requests
- Expanding an internal RAG product built with LangChain, ElasticSearch, and Google AI Studio by exploring ingestion of client website documentation to broaden retrieval coverage for externally documented services and workflows
- Partnering with selected engineering teams to evaluate an agent-first SDLC, identifying opportunities for AI-assisted planning, implementation, and validation with human review and operational guardrails

Software Engineer, PayIt

Jan 2022 — Oct 2024

Maintenance team supporting feature delivery, incident response, and platform modernization across 15+ government clients; 9 month rotation to .NET support team

- Built bulk transaction resolution tooling in an internal back-office app, now the org-wide entry point for incident and reporting workflows; resolved **15K+ transactions**
- Delivered end-to-end KDOR Vision Form support for Kansas DMV renewals across **6 repositories**, enabling digital vision form upload for DL and CDL renewal workflows
- Automated installment send and generation, reducing operational work from **days to half a day**
- Extended account-deletion workflows through Kafka to retire downstream eBilling enrollments, preventing orphaned billing state after customer deactivation
- Led migration to AWS Secrets Manager across **10+ services** using Kubernetes External Secrets Operator
- Developed financial remittance reports for **6+ government clients** using Python and Java

Associate Software Engineer, PayIt

Jan 2021 — Jan 2022

Early-career feature development and production support for government payment systems

- Served in on-call rotation for P1 incidents across DMV, tax, utilities, and courts, diagnosing transaction failures, payment issues, and data integrity problems
- Shipped partial payment support for GR property tax, email accessibility fixes, and client-facing workflow updates for Kansas and KCK

LEADERSHIP

- Facilitated quarterly Spotify-model squad health checks across **5 engineering teams**, summarized themes for managers and directors, and automated analysis delivered to the VP of Engineering
- Co-led PayIt's Code2College internship program, supporting interview planning, candidate evaluation, and ongoing volunteer mentorship for undergraduate students

EDUCATION

University of Kansas

2020

Bachelor of Science, Computer Science

Alpha Sigma Phi

Mar 2018 — Dec 2020

Founding Father, House Manager

Association of Computing Machinery

Aug 2017 — 2020

Public Relations Chair, Finance Chair