

# Kari Burt

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## WORK EXPERIENCE

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### Red Ventures – The Points Guy

Oct. 2024 – Present

Software Engineer, Backend

New York, NY

- Architected and maintained 8+ NestJS/TypeScript microservices supporting loyalty account management for **400K+ downloads and 2,500 daily active users**, integrating with Kafka (AWS MSK), PostgreSQL (AWS RDS), Redis, and Auth0
- Led the migration from WunderGraph to AWS API Gateway across multiple sprints – validated endpoints via Terraform, coordinated phased rollout with partner teams across AWIS, MXIS, Portfolio, and Customer Service
- Implemented event-driven architecture across **24+ Kafka topics** for async inter-service communication with end-to-end distributed tracing; deployed services on AWS EKS with horizontal pod autoscaling via Terraform, Argo CD, and Helm
- Led a logging overhaul across multiple services – structured, tiered logging with PII stripping and correlation ID tracking, reducing redundant log lines by **40%**; configured Kafka lag alerts via CloudWatch
- Led Card Match 2.0 end-to-end – authored the ADR and shipped a privacy-first non-PII recommendations BFF endpoint; a subsequent PII flow update drove a **+42% increase in form submission rate**, exceeding the Q1 goal of +25%
- Designed and shipped snapshot-creator, a portable ingestion pipeline for ChatTPG (internal AI assistant) with incremental ingestion, idempotency, and CI-based scheduling – decoupling data production from chat runtime and enabling independent deployability
- Enabled persistent user identity in ChatTPG by designing a dual-identity model with Auth0 JWT validation, anonymous-to-auth profile merge on login, and correction tooling – preserving user preferences and context across sessions and devices
- Removed a vendor intermediary from the ChatTPG critical path by adding direct provider routing for OpenAI, Anthropic, and Google – replacing Vercel AI Gateway dependency and improving runtime reliability

### Humana

Jun. 2021 – Mar. 2024

Software Engineer II

New York, NY

- Built shared components, Storybook libraries, and full-stack features for CenterWell Pharmacy using Next.js, TypeScript, and Tailwind, enabling a successful MVP launch
- Delivered a restock email notification feature that increased repeat purchase rate for CenterWell Pharmacy
- Introduced Content Security Policy (CSP) headers in Next.js, mitigating XSS vulnerabilities across the platform
- Developed and maintained Spring Boot REST API for product management integrated with Salesforce

## EDUCATION

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Western Governors University – B.S. Computer Science

June 2021

University of Houston – B.S. Psychology

June 2016

## SKILLS

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- **Languages & Frameworks:** TypeScript, JavaScript, Java, Node.js, NestJS, Spring Boot, React, Next.js, HTML/CSS, Tailwind
- **Cloud & Infrastructure:** AWS (EKS, MSK, RDS, Lambda, API Gateway, CloudWatch, SSM, IAM), Kubernetes, Terraform, Docker, Argo CD, Helm, Grafana, Prometheus
- **Databases & Messaging:** PostgreSQL, Redis, Apache Kafka (event-driven architecture, 24+ topics)
- **Auth & Security:** Auth0, OAuth 2.0, JWT, RBAC, CSP, PII data handling
- **Practices:** Agile, CI/CD (GitHub Actions), REST API Design, Microservices, Distributed Systems, Technical Documentation (ADRs)

## PROJECTS

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**SafeBanner** (safebanner.com) | *TypeScript, JavaScript, Consent Mode v2* – Open-source, developer-first Google Consent Mode v2 banner with multilingual support, consent persistence, and lightweight script-based integration; adopted by users in multiple countries, including France and Kosovo.

**UHAUSintelligence** (uhausintel.com) | *Next.js, Prisma, PostgreSQL, WorkOS, Neon* – Multi-tenant housing support platform for colleges serving off-campus students, with tenant-aware workflows, risk scoring, case management, audit logs, and semester reporting.

**OttaCharts** (ottacharts.com) | *Next.js, TypeScript, Chrome Extension, Supabase, Stripe* – AI-powered stock chart scanner with a Chrome MV3 extension for chart capture and analysis and a SaaS app for auth, entitlements, ruleset sync, and billing.