JOHN STEELE URBAN

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LOCATION Tucson, AZ

PROFILE

Technical Lead Engineer specializing in designing scalable, event-driven financial and healthcare systems in cloud-native environments. Experienced in designing secure APIs, orchestrating multi-service workflows, and integrating with systems across multi-service architectures in regulated industries (HIPAA, SOC 2). Known for mentoring engineers, leading cross-functional projects, and shipping practical architectures that scale with business needs.

TECHNOLOGIES

Languages: C#(.NET), JavaScript, SQL, Familiar/Functional with - Python, PowerShell, Bash
Cloud & DevOps: Azure, Google Cloud Platform, Terraform, Docker
Databases: MS SQL Server, PostgreSQL, MySQL, MongoDB, Redis, Hasura, familiar - Cosmos DB
Frameworks & APIs: ASP.NET Core/8+, REST, GraphQL, Identity Server, OpenID Connect / OAuth
Tools & Standards: GitHub, Jira, Azure DevOps, Azure Data Factory, Claude Code, SOC2, HIPAA, HL7/FHIR data integrations

WORK EXPERIENCE

Henry Meds, October 2023 – present (Remote)

- Domain lead for the internal pharmacy platform, driving the architecture and rollout of core prescription services and complex third-party integrations with national pharmacy, EHR, and lab vendors
- Redesigned the prescription delay system to support complex, asynchronous workflows across multiple services using Google Cloud Task Queues, enhancing throughput and reducing manual intervention in prescription processing
- Implemented a distributed event handler system using Google Cloud Pub/Sub to ingest messages from vendor-facing APIs. Built foundational .NET services to process those events
- Architected prescription and lab status sync system using GCP Gateway, Cloud Functions (Node.js), Cloud Scheduler, and Pub/Sub to handle both webhook and polling-based updates from pharmacy and lab vendors
- Actively mentor engineers across seniority levels; acting subject matter expert on pharmacy-related systems and service patterns
- Participate in backend engineering interviews, with a focus on assessing technical depth, design, clarity, and cross-team collaboration skills

AvidXchange, August 2021 – October 2023(Remote)

- Key contributor in delivering the MVP Bank Account Management (BAM) product; an event driven domain used as the one-stop resource for storing and validating bank account information for payment processing
- Lead and organized cross-team collaboration to adopt Authn/Authz platform integration for BAM
- Helped Standardize encryption for BAM and documentation to be used as a new standard
- Built the CI/CD for BAM in Azure DevOps leveraging Terraform for Azure infrastructure: (App Service/functions/Redis/MsSql/Blobs/KeyVault/ManagedIdentity etc.)
- Built and designed buyer migration from Legacy to NextGen services/db's with an ETL process leveraging Azure Data Factory and CI/CD in Azure DevOps using Terraform

Skillable, June 2017 – August 2021 (Remote)

- Lead all platforms to transition to a central authentication token server - Azure AD B2C – this included organizing monolith cut overs and standalone API's. Shared knowledge and documented to help facilitate cut over for every platform/team
- Designed a system of event driven services for capturing billable events
- Created a simple SAML consumer endpoint in one of the core product monoliths (planned to migrate to use Azure AD B2C)
- Launched a proof of concept token server using Identity Server in .Net Core 3.1
- Implemented multiple integrations including Microsoft's Graph API, Zoom, and QuickBooks

Pima Association of Governments, February 2016 - June 2017

- Supporting and creating regional planning activities through software and assisting technical staff in the production of spatial analysis tools, procedures, and products to help the growing Tucson community
- Built a cash flow analysis web-tool for financial budgetary reporting for the Regional Transport Authority in Tucson