

JOHN STEELE URBAN

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PROFILE

Senior Backend Engineer specializing in designing scalable, event-driven systems in cloud-native environments. Strong track record of delivering secure APIs, orchestrated workflows, and real-world integrations across fintech and healthcare. **Primary expertise in C#/.NET** with some experience scripting in Python and PowerShell to support clinical operations, data workflows, and vendor interoperability. Known for leading cross-functional efforts, mentoring engineers, and driving long-term platform growth through practical architecture.

TECHNOLOGIES

Languages: C#(.NET), JavaScript, SQL, Familiar/Functional with - Python, Golang, PowerShell, Bash

Cloud & DevOps: Azure, GCP, Terraform, Docker, Azure DevOps

Databases: MS SQL Server, PostgreSQL, MySQL, MongoDB, Redis, Hasura, familiar - Cosmos DB

Frameworks & APIs: ASP.NET Core/8, REST, GraphQL, IdentityServer, OpenID Connect / OAuth

Tools: GitHub, Jira, Azure Data Factory

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.
- Designed and 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, now used as a base template across teams.
- Architected inbound status sync systems using GCP Gateway, Cloud Functions (Node.js) and Pub/Sub to handle both webhook and polling-based updates from pharmacy and lab vendors. Designed Scheduled lab polling workflows using Cloud Scheduler to ensure up-to-date order visibility.
- Actively mentor engineers across seniority levels. Act as a go-to resource 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 – August 2024(Remote)

- Key contributor (small team - 2 devs) 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 new company standard for MS SQL in Avid.
- Built the CI/CD for BAM in Azure DevOps leveraging Terraform for Azure infra – (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.

Learn on Demand Systems, 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.
- 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.
- Designed a system of event driven services for capturing billable events.
- Building API and RESTful services and web apps used to synchronize. business processes across enterprise systems for various clients.

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, services, and products to help the growing Tucson community.
- Implementation and design of complex cash flow analysis, project performance tracking, financial budgetary control reporting in the Regional Transport Authority for jurisdictional users with novice to expert computer skills.