KEVIN 'TYLER' COX

Angular Application Developer

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Summary

Angular specialist (Signals, RxJS, NgRx) delivering secure, observable, and automated web applications. Eleven years at Expediters International building front-ends, standing up CI/CD (Ansible, GitHub Actions, GitLab Runners, Azure DevOps), and instrumenting the Grafana stack (Prometheus, Loki, Tempo). Integrated SSO with Keycloak/Kerberos, established PKI/TLS, and evolved data ingestion from bespoke Kafka jobs to CDC → Kafka with bronze/silver/gold layers. Documented RESTful APIs with OpenAPI/Swagger. Provisioned cloud with Terraform (Azure, GCP). Prototype quickly in Python; ship production services in Java Spring Boot and C#/.NET. Champion feature flags, DORA metrics, Kanban, and paired programming/swarming to improve delivery flow. Built ODEYA.app, an SSR Angular app that auto-curates YouTube playlists from channel collections and indexes shareable playlists for SEO.

Education

Computer Science
Trident Technical College

Technical Skills

Angular (Signals, RxJS, NgRx), TypeScript, JavaScript, HTML5, CSS3, Responsive Web Design, UI architecture & component design, RESTful APIs, OpenAPI/Swagger, C# (.NET Web API, Entity Framework), Java (Spring Boot, JPA/Hibernate), Python (prototyping), Kafka & Change Data Capture (CDC),

Work Experience

Expediters International (Expediters)   Aug, 2014 - Present
Angular Application Developer
Design and delivery of Angular front-ends and platform tooling across multiple internal applications; emphasis on observability, automation, and secure-by-default practices.

- Built responsive Angular (Signals, RxJS, NgRx) front-ends using TypeScript, HTML5, and CSS3; implemented UX designs and adhered to web standards.
- Introduced step-centric workflow modeling (e.g., Unified Process) to complement event-driven patterns; improved clarity and traceability of process state.
- Implemented observability with Grafana stack—Prometheus (metrics), Loki (logs), Tempo (traces)—plus SLO dashboards and alerting to reduce detection and resolution time.
- Standardized CI/CD with GitHub Actions and GitLab Runners; used Ansible and Terraform to provision on-prem and cloud (Azure, GCP/Firebase); supported Kubernetes deployments.
- Hardened identity and transport security: Keycloak SSO (OIDC/SAML), Kerberos integrations, internal CA/PKI, and TLS/mTLS with cert rotation policies.
- Modernized data integration from ad-hoc Kafka producers/consumers to database-level Change Data Capture (CDC) feeding Kafka, organized via medallion layers (bronze/silver/gold).
- Delivered RESTful APIs/services in Java Spring Boot and C#/.NET; documented endpoints with OpenAPI/Swagger; used Python for rapid prototyping prior to hardening.
- Enabled feature flag rollouts for progressive delivery; instrumented DORA metrics and coached teams on Kanban and velocity/flow tracking via Azure DevOps.
- Practiced paired programming and team swarming; collaborated closely with product, UX, and architects; participated in Scrum ceremonies (standups, planning, reviews, retros).
- Kafka expertise transferable to Azure messaging (Service Bus/Event Hubs) and other cloud eventing platforms.
- Authored Azure DevOps utilities (Python) to create user stories under Features with iteration/assignee/area/story-point fields, improving planning throughput.

Projects

ODEYA.app   Feb, 2025 - May, 2025
ty-lercox.github.io/portfolio/posts/odeya-overview/
Personal web app that auto-curates YouTube playlists from collections of channels (e.g., cruise, gaming, tech) so new uploads from any channel in a

Data medallion layers
(bronze/silver/gold), Kubernetes, Ansible,
Terraform (Azure/GCP provisioning),
Azure (via Terraform), GCP & Firebase,
Azure DevOps, GitHub Actions, GitLab
Runners, Git, Grafana, Prometheus, Loki,
Tempo, Keycloak (OIDC/SAML),
Kerberos, PKI/Certificate Authority,
TLS/mTLS, RHEL 9, VMs, Feature flags,
DORA metrics

Soft Skills

Systems Thinking, Cross-functional
Collaboration, Technical Leadership &
Coaching, Stakeholder Communication,
Problem Solving, Iteration & Rapid
Prototyping, Kanban Facilitation, Paired
programming & swarming, Scrum
ceremonies

Additional Skills

Observability & SRE Practices,
Documentation & ADRs, AI-Assisted
Engineering (LLMs/ChatGPT CLI),
Testing & Quality Gates, Release &
Deployment Strategies

Languages

English

collection flow into a single playlist.

- Implemented server-side rendering so shared playlists are
  SEO-indexable; playlist sharing enables discovery via search engines.
  Aggregation logic supports many-to-one channel collections; reduced
  manual playlist upkeep.

Logistics Process Orchestration

Front-end architecture for step-centric workflows replacing purely
event-driven UIs in logistics operations.

- Normalized state, clear effects, and deterministic UI flows; fully
  instrumented for metrics/logs/traces.

Observability Enablement

Service health/SLO dashboards with Prometheus metrics, Loki logs, and
Tempo traces; alerting integrated with deployment telemetry.

- Improved issue detection and trace-led debugging across services;
  consistent dashboards for teams.

CI/CD Blueprint

Reusable pipelines (GitHub Actions/GitLab Runners) and Ansible roles for
consistent build/test/deploy across on-prem and cloud targets.

- Cut lead time to change; standardized quality gates and environment
  promotion.

Data Flow Modernization

Replaced batch/legacy Kafka usage with database-level CDC streaming
into Kafka, organized into bronze/silver/gold layers.

- Improved reliability, lineage, and downstream transformations; clearer
  SLAs and reprocessing.

SSO & PKI Hardening

Unified identity and secure transport across services.

- Keycloak (OIDC/SAML), Kerberos, internal CA/PKI, TLS/mTLS, and
  certificate lifecycle policies.

Azure DevOps Utilities

Python tooling to create child User Stories under Features with Iteration,
Assignee, Area, and Story Points fields.

- Accelerated planning and improved consistency of backlog data.