

## Work Experience

### Sr. Software Engineer – R&D

- Clario** Oct. 2023 – Present
- ECOA – Assessment Catalog Application*
- Architected **high-throughput assessment catalog platform**; enabled concurrent creation, artifact uploads, Git/ZIP exports, API consumption.
  - Orchestrated **BullMQ + Redis** concurrent jobs (6K+/sec throughput); built real-time dashboards, retry/cancel workflows, load-testing UI.
  - Automated translation exports Git Export, ZIP Export, **AWS S3 cleanup**; enabled **4–5K+ safe exports daily, 60–70K DAU**.
  - Integrated **GSSO SSO + audit trail**; optimized infra with **GitLab CI/CD, Terraform, Docker, Kubernetes**.
  - Mentored junior engineers; authored **HLD/LLD**; contributed to **security audits**, compliance, and on-call rotations.

### Sr. Software Engineer

- In Time Tec** Jan. 2022 – Sep. 2023
- DDS – Intelligent Printer Data Platform (HP)*
- Designed & developed horizontally scalable **DDS** managing **13K+ MPS devices**, consumables, pricing, TCO, recommendation logic.
  - Delivered **multi-tenant APIs** with tenant-based **authN/Z** and automated real-time sync pipelines.
  - Optimized **MongoDB aggregation pipelines**, boosting API performance **60%** at scale.
  - Built **GraphQL** bulk ingestion (2M+ records), accelerating tenant onboarding.
  - Integrated asset management with **AWS S3 (versioned buckets)**, automated reporting, and enhanced observability with **Splunk**.

### Software Engineer

- In Time Tec** Dec. 2021 – Jan. 2022
- Asset Advisor Web Application*
- Built device catalog & recommendation service with **predictive TCO analysis** via MLOps APIs.
  - Developed scalable backend services with **Docker, AWS EC2, PM2**, ensuring concurrency and fault tolerance.
  - Secured services using **AWS Secrets Manager**; implemented **CI/CD** pipelines with static code checks.
  - Engineered high-performance **Excel reporting** (2M+ records) using workers and streaming.
  - Owned deployment lifecycle with **zero-downtime releases**; collaborated with ML teams for low-latency UI integration.

### Jr. Software Engineer

- In Time Tec** Jan. 2020 – Dec. 2020
- HRMS Integration System (Internal)*
- Owned microservices integrating **HRMS with Workday** for real-time sync of employee records.
  - Built **dashboards with anomaly alerts** and leave management workflows.
  - Designed **REST APIs** for high concurrency; containerized with **Docker + GitHub Actions CI/CD**.
  - Improved observability via structured logging and resilient error handling.

## Technical Skills

**Languages:** TypeScript, JavaScript, C#

**Frameworks & Libraries:** Node.js, NestJS, Express.js, GraphQL, AWS Lambda, Angular, React, AngularJS

**Databases:** PostgreSQL, MongoDB, SQL, Redis

**Messaging & Streaming:** BullMQ, Kafka

**Unit Testing:** Mocha, Chai, Jest, Jasmine

**Cloud & Infrastructure:** AWS (ECS, S3, Lambda, Secrets Manager, CloudWatch), Docker, Kubernetes, Nginx, Elasticsearch, PM2

**Monitoring & CI/CD:** Rancher, Prometheus, Grafana, Splunk, Jenkins, Terraform, GitHub Actions, GitLab CI/CD

**Version Control & Tools:** Git, GitHub, GitLab, BitBucket

**Tools & IDEs:** VS Code, WebStorm, Polarion, Jira, Figma

**Methodologies:** Agile, Scrum

## Achievements

**Performer of the Mid-Year (2025)** – Clario, for outstanding contributions as Senior R&D; Developer.

**Individual Excellence Award (Q3 2024)** – Led design & release of the Assessment Catalog Application.

**Most Valuable Person Award (2023)** – Team recognition at In Time Tec.

**Learn & Code / Learn & Grow Certified (2020–2023)**.

**College Topper** – PUC (97.67% in PCM), **KCET Rank:** 2262

## Education