

Eliana Rivarola

Senior Software Architect & Senior Engineer

SUMMARY

- 8+ years designing scalable, high-performance distributed systems using React, Next.js, Node.js, Python, and microservices architectures.
- Expertise in domain-driven design, GraphQL federation, event-driven systems, and cloud-native deployments on Azure and AWS.
- Proven leadership in frontend architecture, including micro-frontends, state orchestration, CI/CD pipelines, and observability with Sentry and Datadog.
- Strong background in secure API gateway design, OAuth2/OIDC, RBAC, and zero-trust inter-service communication.
- Bachelor of Computer Science with extensive experience in containerization (Docker, Kubernetes), infrastructure-as-code, and advanced performance optimization.

TECHNICAL SKILLS

Main Technical Skills	React, Ext JS, TypeScript, Node.js, Python
Programming Languages	Java, JavaScript, PHP, Python, TypeScript
JavaScript Frameworks	Angular, AngularJS, Express, Ext JS, Node.js, Nuxt, React, Vue.js
Python Frameworks	Django REST framework, FastAPI, Flask
PHP Frameworks	Laravel
JavaScript Libraries and Tools	Redux-Saga, Zustand
Data Analysis and Visualization Technologies	Azure Data Factory, Databricks, Power BI
Databases & Management Systems / ORM	MongoDB, MySQL, PostgreSQL, Redis
UI Frameworks, Libraries, and Browsers	CSS, HTML, SASS, SCSS
Cloud Platforms, Services & Computing	AWS, Azure
Azure Cloud Services	AAD, Azure Data Factory, Azure DevOps, Azure Event hub, Azure Service Bus, Databricks
Amazon Web Services	AWS API Gateway
SDK / API and Integrations	AWS API Gateway, FastAPI, GraphQL, OAuth



Message/Queue/Task Brokers	Celery
QA, Test Automation, Security	Cypress, Jest
Logging and Monitoring	Datadog, Sentry
Virtualization, Containers and Orchestration	Docker, Kubernetes, Terraform
Version Control	Github Actions
Deployment, CI/CD & Administration	GitLab CI
Collaboration, Task & Issue Tracking	Jira
Mail / Network Protocols / Data transfer	WebSockets

WORK EXPERIENCE

Senior Software Architect - AgendaPro

Duration: 04/2025 - 04/2026

Summary: Developed a domain-driven frontend architecture for AgendaPro, a large-scale product environment, focusing on modular UI domains and federated data fetching to enhance performance and maintainability.

Responsibilities:

- Engineered frontend architecture using React, Next.js, and TypeScript with bounded contexts.
- Designed federated data-fetching layer integrating GraphQL and REST.
- Led frontend performance optimization including SSR and edge caching.
- Implemented observability with Sentry and Datadog.
- Defined scalable design system with accessibility compliance.
- Implemented state orchestration using Zustand and Redux.
- Designed secure API gateway layers with Node.js.
- Established CI/CD pipelines with GitLab.
- Developed micro-frontend architecture using module federation.
- Implemented feature flagging and experimentation frameworks.
- Optimized asset delivery and caching strategies.
- Established cross-layer contract testing between frontend and backend.
- Designed resilient error-handling and fallback mechanisms.
- Led technical governance and architectural alignment across frontend teams.

Technologies: React, Next.js, TypeScript, GraphQL, REST, Node.js, Zustand, Redux, Sentry, Datadog, Figma, GitLab CI/CD, module federation, CDN

Senior Software Developer - LISIT

Duration: 10/2022 - 03/2025



Summary: Architected and developed a multi-tenant platform with domain-driven design supporting geographically distributed clients, integrating polyglot backend services and advanced data orchestration workflows.

Responsibilities:

- Architected multi-tenant platform with React/Next.js frontends and backend services in Go, Node.js, Python, .NET.
- Designed GraphQL federation layer with Apollo Gateway.
- Engineered event streaming architecture using Azure Event Hubs and Service Bus.
- Developed distributed caching strategies with Redis.
- Implemented infrastructure-as-code with Terraform and Azure Resource Manager.
- Designed secure inter-service communication with mTLS and JWT.
- Built data orchestration workflows using Azure Data Factory, Databricks, and Python.
- Implemented resilient job processing with Celery and Go background workers.
- Designed modular micro-frontend composition strategy.
- Optimized API performance with query optimization and indexing.
- Established observability with Azure Monitor and Datadog.
- Led cross-team architectural alignment and mentoring.

Technologies: React, Next.js, Go, Node.js, Python, .NET, GraphQL, Apollo Gateway, Azure Event Hubs, Azure Service Bus, Redis, Terraform, Azure Resource Manager, mTLS, JWT, Azure Data Factory, Databricks, Celery, Azure Monitor, Datadog

Software Developer - Interbanking

Duration: 01/2020 - 09/2022

Summary: Developed scalable frontend applications and resilient data ingestion pipelines for Interbanking, integrating multiple backend services and optimizing real-time communication and data visualization.

Responsibilities:

- Architected frontend application layer using React, Next.js, and TypeScript with hybrid rendering strategies.
- Designed unified GraphQL federation data access layer.
- Engineered data ingestion and transformation pipeline using AWS Lambda and Python.
- Developed modular frontend architecture with Redux Toolkit and custom hooks.
- Implemented backend services with Node.js and Django including caching and query optimization.
- Deployed containerized environments with Docker and AWS ECS/Fargate.
- Built CI/CD pipelines using GitHub Actions.
- Engineered real-time communication with WebSockets and GraphQL subscriptions.
- Implemented client-side data management with Apollo Client.
- Optimized data visualization components in React.
- Designed secure authentication and authorization mechanisms with OAuth2 and RBAC.
- Established cross-layer contract validation and schema governance.

Technologies: React, Next.js, TypeScript, GraphQL, AWS Lambda, Python, Node.js, Django, Redis, Docker, AWS ECS, AWS Fargate, GitHub Actions, WebSockets, Apollo Client, OAuth2

Full Stack Developer - clicOH

Duration: 07/2017 - 12/2019



Summary: Led the development of a hybrid frontend ecosystem combining Angular and React, and transitioned backend services from REST to GraphQL, deploying scalable microservices on Azure cloud infrastructure.

Responsibilities:

- Architected hybrid frontend ecosystem with Angular and React including interoperability layers.
- Designed scalable GraphQL gateway architecture in Node.js.
- Engineered backend services using Python (FastAPI) and Node.js with asynchronous processing.
- Led transition from REST to GraphQL data access models.
- Developed metadata-driven dynamic UI rendering system.
- Implemented authentication and authorization with Azure Active Directory and OAuth2.
- Deployed containerized microservices using Docker and Azure Kubernetes Service (AKS).
- Built CI/CD pipelines with Azure DevOps.
- Implemented server-side rendering with Angular Universal and Next.js.
- Developed real-time data streaming and notification systems with WebSockets.
- Optimized application performance with caching, query optimization, and bundle splitting.
- Led frontend refactoring migrating AngularJS to Angular and integrating React modules.

Technologies: Angular, React, TypeScript, GraphQL, Node.js, Python, FastAPI, Azure Active Directory, OAuth2, Docker, Azure Kubernetes Service, Helm, Azure DevOps, Angular Universal, Next.js, WebSockets, RxJS, NgRx

EDUCATION

- **TECH Global University**
Bachelor of Computer Science
09/2013 - 06/2017

