

Tyler Olli | Senior Software Engineer

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Engineering Distributed Applications at Scale

Senior full-stack engineer with a track record of building scalable fintech and enterprise applications. Experienced in designing and delivering end-to-end systems across modern frontend architectures and backend services, including APIs and data workflows. Focused on clean architecture, pragmatic engineering decisions, and AI-informed system design.

API Architecture | Distributed Systems | Serverless and Cloud Platforms | Data Workflows
Frontend Component Systems | AI-Assisted Development and Context Engineering | Technical Leadership

Technologies

- Languages:** JavaScript, TypeScript, Java, SQL
- Platforms:** Adobe Experience Manager (AEM), AWS Lambda
- Frameworks:** React, Next.js, Angular, React Native, Node.js
- Data:** PostgreSQL, MongoDB, Redis, Snowflake, Amazon S3
- AI Tooling:** GitHub Copilot, Cursor, ChatGPT, Claude, Gemini

Professional Experience

ModelTriage | AI Platform (Independent Project) | 2026

- Built a product that evaluates and selects the most effective LLM for a given task, enabling side-by-side comparison of outputs to support reliable, informed decision-making
- Designed structured evaluation workflows and context-aware generation logic to produce repeatable, comparable assessments of LLM behavior across tasks

Blankfactor | Lead Software Engineer | 2023 – 2025

Owned architecture and delivery of core, user-facing financial systems across distributed services and engineering teams.

- Led a team of five engineers to ship a mission-critical account registration and authentication portal, consolidating access into a single shared system built with React, AEM, and Java services and significantly reducing user friction at scale
- Owned the end-to-end development of a retirement plan swap experience, designing backend APIs and an Angular frontend that enabled real-time plan changes with advisor guidance while eliminating redundant content management for internal teams
- Designed and built a rules-driven eligibility and decision system using Next.js and Node that governed access to product features, offers, and workflows, enabling teams to update policies without engineering involvement or service downtime
- Led development of backend data workflows processing user-specific financial data, enabling personalized plan experiences while scaling reliably under increased usage, using AWS Lambda functions written in TypeScript to coordinate Java microservices, Snowflake queries, and S3 pipelines
- Built an AI-driven translation system using structured product and requirements context to generate localized content within AEM and React, reducing third-party translation costs and turnaround time
- Used AI-assisted development tools (Cursor, GitHub Copilot) and multiple LLMs to accelerate development and improve code quality by generating tests, modernizing legacy code, and streamlining documentation across projects

Citrix | Senior Software Engineer | 2020 – 2023

Led frontend and platform engineering efforts across large-scale enterprise web systems, driving modernization, reuse, and consistency across distributed teams.

- Served as technical lead for NetScaler and XenServer web platforms, owning end-to-end frontend delivery and coordinating releases across product, design, and backend teams
- Led modernization of legacy AEM platforms, rebuilding core Java services alongside React components to simplify architecture, improve maintainability, and deliver faster load times with consistent UX
- Designed and consolidated shared, reusable component systems across React and AEM into centralized libraries, enabling consistent behavior and reuse across multiple high-traffic products
- Developed reusable purchasing workflows and shared UI patterns using React and REST APIs, supporting consistent purchase experiences across multiple applications.
- Implemented secure user-facing flows involving login and authorization, with JWT-based access control enforced by backend APIs
- Built a company-wide email preference and unsubscribe system backed by MongoDB, centralizing user preference management across multiple applications.
- Improved platform reliability by streamlining reCAPTCHA validation and SendGrid email delivery, reducing form submission errors and messaging inconsistencies
- Partnered with QA and accessibility teams to introduce automated testing workflows (Jest, Axe), improving WCAG compliance and release confidence

Education

Udacity – React Nanodegree Program | 2020

- Built declarative UIs with React, React Native, and Redux through hands-on projects in component design, state management, and mobile development

University of North Carolina at Charlotte – Full Stack Coding Boot Camp | 2016 – 2017

- Developed full-stack applications using the MERN stack through project-based learning
- Built final project with React and Redux, integrating SoundCloud's API

High Point University – Bachelor's Degree in Communications | 2012 – 2016

- Concentration in Electronic Media / Minor in Graphic Design