Kevin Clark | (714) 625-1940 | hellokevinclark@gmail.com | https://kevinclarkdev.com

Education

- ★ **M.S. Management Information Systems -** Florida State University, 2010
- ★ **B.S. Management Information Systems with CS minor-** Florida State University, 2004

Skills

Core Technologies & Frameworks: React (Hooks/Context, Redux, MobX, Zustand), Node.js (Express/Fastify/Hono), TypeScript/JavaScript, C#/.NET/ASP.NET, Tailwind, SolidJS, StencilJS, Angular, LitHTML, CapacitorJS

Cloud & DevOps: AWS (Lambda, S3, SQS, DynamoDB), Azure (Functions, Service Bus), Docker, Containerization, Nginx/Caddy, Serverless

Architecture & Tools: Microservices, REST APIs, WebSockets/Realtime, Parallel UI/API Modernization, SOLID, Dependency Injection, Authentication/Authorization, Jest/Vitest, Git, Jira/Confluence

Experience

★ ***Costar Group***, October 2025 to Present - Senior Software Engineer *(San Diego, CA)*

Front-end–leaning full stack developer on a SaaS platform enabling companies to manage commercial real estate portfolios, including loans, properties, and collateral.

Architecting and enhancing a React/Webpack front end integrated with a Node.js GraphQL backend-for-frontend (BFF) that communicates with containerized .NET microservices hosted in AWS.

Driving UI best practices by separating business logic from presentation, introducing reusable custom hooks, and improving component testability and maintainability.

Proposing and designing modernization initiatives, including parallel UI/BFF migration behind a Caddy reverse proxy to reduce risk and enable incremental adoption of best practices, as well as consolidating shared models, validation, and business logic to reduce duplication and improve overall code quality.

★ ***ICF International***, June 2022 to June 2025 - Principal Software Engineer *(Fully Remote)*

Front-end–leaning full-stack developer delivering custom software solutions for a federal healthcare platform supporting the Centers for Medicare & Medicaid Services (CMS), managing hundreds of thousands of healthcare providers with advanced search, dynamic forms, and complex data visualization.

Designed and enhanced features using React, Node.js, Express, and PostgreSQL within a distributed architecture of 12+ TypeScript-based Node microservices containerized with Docker and routed through Kong API Gateway. Leveraged micro-frontends and Jest to maintain modularity and high test coverage across front- and back-end systems.

Led development of a shared UI library using Nx and Vite, enabling React 18 components to coexist with a legacy React 16 application for a phased upgrade that improved maintainability and accelerated feature delivery. Migrated JavaScript-based Node APIs to TypeScript, enhancing type safety and developer velocity.

Established maintainable front-end architecture patterns by separating presentation from business logic, abstracting state management into reusable custom hooks, and improving testability of business logic independent of UI components.

Built an internal React/Node developer tooling application that tracked microservice health, streamed Docker logs, and enabled one-click cloning of test databases into local environments — reducing local setup friction and debugging time.

★ ***loanDepot***, September 2020 to June 2022 - Senior Software Engineer *(Fully Remote)*

Full-stack developer delivering custom software solutions to support Sales operations and workflow optimization.

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Led integration of Genesys Cloud calling and messaging directly into Microsoft Dynamics CRM, enabling sales representatives to manage communications within the CRM and streamlining workflows.

Designed and built a custom floating softphone widget and Power Apps Component Framework (PCF) controls using React and TypeScript, enhancing CRM usability, data visualization, and workflow efficiency.

Contributed to backend architecture by implementing secure OAuth 2.0 authentication, enabling real-time communication with Azure SignalR, and supporting scalable event-driven microservices with Azure Service Bus.

★ ***Capital Group***, February 2020 to July 2020 - Senior Application Developer *(Irvine, CA)*

Full-stack developer at Capital Group delivering a custom application for Accounting Services to track equity shares on loan to financial partners.

Built and enhanced features using Angular (including v7 → v9 upgrade), TypeScript, and ASP.NET Web API, with data persisted in SQL Server 2014.

Expanded and refined the front-end architecture with reusable components and new views, while implementing backend controllers, services, and repository layers to support business workflows.

Contributed to engineering standards through code reviews and technical documentation, improving maintainability and code quality.

★ ***Klientboost***, August 2019 to January 2020 - Senior Software Developer *(Costa Mesa, CA)*

Full-stack developer building a subscription-based analytics platform (meetkite.com) using React, Node.js, TypeScript, MongoDB, and AWS Lambda.

Integrated with the Google Ads API to ingest campaign spend and performance data, transforming it into detailed analytical reports and proprietary performance scores that enabled clients to optimize campaigns.

Led migration of the backend from JavaScript to TypeScript, improving maintainability, scalability, and type safety while reducing runtime defects.

Enhanced AWS Lambda functions, refined React UI components, and expanded Jest test coverage to improve usability and deployment confidence.

★ ***Neudesic***, December 2018 to August 2019 - Senior Consultant II *(Irvine, CA)*

Developed an interactive web application for a major automotive manufacturer using React, Node.js, TypeScript, Azure Cosmos DB, Azure Storage, and Azure Bot Service with LUIS to enable AI-powered chatbot interactions for vehicle discovery and selection.

Implemented reactive state management and Node.js backend endpoints integrated with Azure LUIS to interpret user intent and guide personalized car search workflows.

Consulted for a leading business equipment manufacturer, building proof-of-concept applications, providing architectural and refactoring guidance for an Azure Functions–based Node.js system, and improving maintainability and scalability.

Implemented mobile push notifications and enhanced production monitoring and error handling through Visual Studio App Center, increasing application reliability and operational visibility.

★ ***ADS Technical Services***, October 2013 to December 2018 - Senior Software Developer *(Washington, D.C.)*

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Led a major modernization initiative for one of the FBI's largest enterprise applications, redesigning the platform using ASP.NET Core, Angular 6, and SQL Server 2016.

Architected a microservices-based solution, defined service boundaries, and produced technical documentation and process flows to align engineering, business analysts, and leadership. Established coding standards and patterns to ensure consistency and long-term maintainability across teams.

Integrated multiple distributed services and developed a centralized monitoring dashboard to track service health and uptime, improving operational visibility. Contributed to sprint planning and risk management, providing proactive communication of delivery risks to leadership.

Served as sole developer on an external-facing ASP.NET MVC application integrating with Microsoft Dynamics CRM to generate invoices and manage document attachments.

Delivered multiple Microsoft Dynamics CRM–based solutions for federal agencies, including human resources/event tracking systems, license inventory dashboards, and leadership reporting tools, improving data visibility, cost management, and operational transparency.

Prior Roles: Lockheed Martin (2008–2012), AIS (2012–2013), BCBS Florida (2006–2008)

FAQ

Q. What is your experience with Node.js?
A. I have over 12 years of experience working with Node.js, primarily building backend services and APIs in TypeScript.

I've worked with a range of frameworks including Express, tRPC, Fastify, NestJS, Hono, and Nitro, as well as serverless platforms such as AWS Lambda and Google Cloud Functions. Most of my work has focused on designing and implementing HTTP-based services, including RESTful APIs and strongly typed tRPC endpoints that follow a clear queries/mutations (CQRS-style) separation.

I've integrated numerous third-party SDKs and external services, including Mailgun, SendGrid, OpenAI, Google Ads, Twilio, AWS (such as S3 presigned uploads), Firebase, and various financial APIs. This has required careful attention to authentication, rate limiting, error handling, and reliability in production environments.

On the data layer, I've used ORMs such as Prisma, Sequelize, Drizzle, and TypeORM with PostgreSQL, as well as the official MongoDB driver for MongoDB. I also have experience working with Redis for caching, session storage, and performance optimization.

The majority of my Node.js work is in TypeScript. I've led and contributed to multiple migrations from JavaScript to TypeScript, improving type safety, maintainability, and developer experience. For local tooling and developer workflows, I've used Node with tsx for scripts and environment orchestration, and I've worked with monorepo setups using Turborepo.

While I've used many bundlers throughout my career (Vite, Webpack, Rollup, esbuild, Parcel, Browserify), most Node.js services I build are compiled directly from TypeScript to JavaScript without heavy bundling, favoring simplicity and clarity in backend deployments.

Overall, I bring deep experience in building production-grade Node.js systems with a strong emphasis on type safety, API design, external integrations, and maintainable architecture.

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Q. What is your experience developing on the front end?

A. I have over 20 years of experience building interactive web applications. For the past decade, my primary focus has been **React with TypeScript**, where I've developed scalable, maintainable applications across a range of domains.

I'm comfortable with React's built-in state management as well as external solutions including MobX, Redux, Jotai, Zustand, and TanStack Query (React Query). I prefer to abstract state logic into custom hooks and composable patterns to improve maintainability and enable straightforward unit testing. I have solid experience writing tests with Vitest and Jest.

Throughout my career, I've worked with a wide range of build tools and bundlers, including Vite, Webpack, Rollup, esbuild, Parcel, Browserify, and others—giving me a strong understanding of the modern frontend toolchain and performance optimization strategies.

More recently, I've built reusable web components using StencilJS and Lit (LitHTML), expanding my experience beyond traditional SPA frameworks.

My background began with vanilla JavaScript and direct DOM manipulation, followed by jQuery. I then moved into frameworks with KnockoutJS and AngularJS. When Angular (2) entered beta, I adopted it early and worked with it for several years before transitioning to React.

Overall, I bring a deep, well-rounded understanding of frontend architecture, state management patterns, testing strategies, and the evolution of modern JavaScript frameworks.

Q. What other experience would you like to highlight?

A. In addition to my JavaScript/TypeScript experience, I have strong experience building APIs with ASP.NET. I'm comfortable applying core object-oriented principles, dependency injection, and layered architecture patterns to create maintainable, testable systems with clearly separated concerns.

I've worked extensively with Entity Framework (primarily against Microsoft SQL Server), and I'm experienced with model binding, validation using attributes and FluentValidation, and both AutoMapper and custom mapping layers depending on the project's complexity and performance requirements.

I began working with microservices architectures over 10 years ago and have seen both their advantages and trade-offs in real-world systems. This includes dealing with service boundaries, inter-service communication, deployment coordination, observability, and operational complexity. Through that work, I've gained experience with API gateways and reverse proxies such as NGINX and Caddy.

I also regularly use Docker to manage multi-service environments, containerize applications, and run infrastructure dependencies locally to ensure consistent development and deployment workflows.

Overall, this cross-stack experience allows me to think beyond individual frameworks and focus on system design, maintainability, and long-term scalability.