Kenneth Tran

Software Engineer | Full-Stack Developer
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Professional Summary

Frontend-leaning Full-Stack Engineer with 6+ years building enterprise-scale using **Angular**, **RESTful APIs**, and **CI/CD** pipelines in fast-paced **Agile** teams. Proven ability to deliver secure, user-centric web applications, collaborate with cross-functional teams, and support systems used by thousands of daily users. Comfortable owning features from design to deployment.

Technical Skills

- **Frontend:** Angular, TypeScript, JavaScript, NgRx, SASS, Tailwind CSS, UX/UI

- **Backend:** Node.js, Express, Java (Spring Boot), REST APIs, Firebase

- **Architecture & DevOps:** Nx Monorepo, Module Federation, Docker, Kubernetes, Azure DevOps, CI/CD

- **Testing & Quality:** Cypress, Jest, Jasmine, Karma, WireMock, SonarQube.

- **Databases:** PostgreSQL, SQL Server, MongoDB

Professional Experience

MockPilot (*SaaS*) | *Founder*   *2025 - present*

- A full-stack **AI-powered** interview preparation platform built with **Angular**, **Firebase**, and **large language models**. This application helps job seekers practice interviews with AI interviewers and receive detailed AI-generated feedback to improve their interview skills.
- **Implemented** robust multi-LLM fallback system supporting: **Google Gemini 3**, **Gemma 2 (9B)**, **Meta Llama 3.3 (70B)**.
- **AI Interview Simulation Engine** - Real-time conversational AI with customizable personalities
- Integrated **DeepInfra API** for cost-effective inference on open-source models
- Implemented real-time interview coaching panel with three support levels
- Built intelligent retry logic that automatically switches between models if one fails

J.B Hunt Transport, Inc. | *Software Engineer* *2019 – 2025*

- **Micro-Frontend Migration:** Architected and maintained a large-scale **Nx Monorepo** comprising **19+ micro-frontend applications** and **100+ shared libraries**, utilizing **Module Federation** for runtime integration.
- **Modernization:** Led the migration of legacy monolithic components to modular Nx libraries (feature, ui, data-access) and converted components to **Angular Standalone** architecture.
- **State Management:** Pioneered the adoption of **NgRx Signals** and Component Store to replace traditional state management, reducing boilerplate and improving reactivity.
- **Guest Access Experience:** Designed and implemented the **Guest Shell** and **FTL** guest workflows, enabling unauthenticated users to track shipments and view quotes, significantly expanding customer reach.
- **Order & Payment Systems:** Developed a comprehensive order confirmation system and integrated secure payment processing with credit card management and one-time payment iframes.
- **Validation Framework:** Implemented complex business logic including **Same-day Pickup Validation** and **Project Code** verification to ensure data integrity.
- **Testing Strategy:** Achieved high reliability by authoring comprehensive test suites using **Cypress** and **Jest**, including **WireMock** integration for isolated API mocking.
- **UI/UX & Accessibility:** Focused on responsive design and **a11y** (ARIA labels, keyboard navigation), ensuring a seamless experience across mobile, tablet, and desktop.
- **Mentorship:** Mentored junior developers through pair programming and rigorous code reviews, maintaining high code quality and SonarQube metrics.

Awards

- 2nd Place J.B Hunt Hackathon Oct 2019

Engineered an innovative hackathon tool that **automated** Design System (DS) compliance validation. This utility **crawled** application pages to **generate** visual Annotation Reports, page screenshots with all DS components highlighted, which empowered users to **confidently ensure** consistent adherence to established design standards across the entire application.