

Tonicia L. Kelly
Principal Software Engineer, Technology Leader, and UI Specialist

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OBJECTIVE: To obtain a Principal or Engineering Manager position within a reputable company that encourages upward mobility and the opportunity to expand relevant skill sets, while being a part of an agile organization that delivers high quality products on time.

- SUMMARY:**
- **Role:** Principal Software Engineer with expert-level knowledge in technical execution and delivery of large-scale projects.
 - **Scope of Influence:** Architect and strategist for over 45 UI applications, serving as a mentor to multiple delivery teams within a division-wide UI architecture framework.
 - **Leadership:** Direct a dynamic organization of over 80 engineers, driving technological solutions that not only meet but set industry standards.
 - **Experience:** Over 20 years in software engineering, contributing to the success of companies like Stitch Fix, Amobee, Cisco Systems, and WebMD.
 - **Impact:** A proven leader in the delivery of high-quality, data-driven products across retail technology, advertising technology, and enterprise network security sectors.

EDUCATION: In Progress Georgia Institute of Technology Atlanta, GA
Master of Science
 Major: Computer Science with a concentration in Machine Learning

Completed May 2005 University at Albany, State University of NY Albany, NY
Bachelor of Science
 Major: Computer Science
 Major: Applied Mathematics

| RECENT SKILLS SUMMARY: | <u><i>Skill Name</i></u> | <u><i>Skill Level</i></u> | <u><i>Last Used/Experience</i></u> |
|-------------------------------|--|---------------------------|------------------------------------|
| | HTML/ HTML5 | Expert | Currently used/10+ years |
| | JavaScript | Expert | Currently used/10+ years |
| | TypeScript | Advanced | Currently used/4 years |
| | Frameworks: React/Redux, Angular, Node, Express, NextJS | Advanced | Currently used/6+ Years |
| | CSS 3/LESS/SASS | Expert | Currently used/10+ years |
| | Figma, Sketch, InVision | Advanced | Currently used/5+ years |
| | Package Managers & Build Tools (NPM, Webpack, Yarn, Roll Up, Vite) | Expert | Currently used /5+ years |
| | SQL, PostgreSQL, MongoDB, Firebase | Advanced | Currently Used/5+ years |
| | GraphQL | Intermediate | Currently used/1+ year |
| | Git/GitHub | Expert | Currently Used/5+ years |
| | Testing Frameworks (Jest, Enzyme, React Testing Library) | Advanced | Currently Used/5+ years |
| | Lucid Chart | Expert | Currently Used/3 years |

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| <ul style="list-style-type: none"> • Systems Analysis • Systems Design & Architecture • Systems, Component, and Data Flow Diagraming • Strategic Planning and Road Mapping • Strategic Communication & Collaboration with Key Stakeholders • Strategic Cross Team Collaboration • Metrics and Analysis • Technical Documentation • Continuous Integration & Deployment | <ul style="list-style-type: none"> • Recruitment & Job Candidate Interviews • New Hire Onboarding • Code Reviews • UX Design, Wireframes, Mockups Review & Analysis • Developer Mentoring & Coaching • Agile, SCRUM, KanBan Methodologies • Jira, Asana Agile Tools • User/Customer Technical Training • User Stories and Acceptance Criteria |
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EXPERIENCE: 3/2023 - Present

The Home Depot, Inc.

Alpharetta, GA
(Remote)

Principal Software Engineer
Domain: Retail Technology

Overall Impact: Developed the inaugural Merchant Experience organization's front-end architecture strategy spanning 15 engineering delivery teams and overseeing 80 engineers resulting in the modernization, standardization, and/or consolidation of over 45 React applications, while increasing best practices, code quality, delivery, security, scalability, and performance of advanced & complex front-end solutions.

Implementation and Innovation:

- Developed front-end strategy and architectural solutions across the organization, ensuring tech stack alignment and modernization.
- Implemented React App POCs for adopting new technologies to align with industry standards.
- Implemented global client-side state management across multiple React applications using Zustand

Strategy and Collaboration:

- Established front-end vision and strategy with Engineering, Product, and UX senior leadership within first 30 days.
- Built respect, trust, and influence across 15 delivery teams rapidly.

System Design and Architecture:

- Analyzed existing React and Angular applications, leading to a comprehensive application matrix.
- Designed a new front-end system architecture including component architecture, centralized design system, centralized configuration, management system, mono-repos, modularly federated UIs, and migrations to streamline development.
- Wrote Project Requirements Documents (PRDs) for component library and global components.

Technical Leadership and Standardization:

- Worked with Staff and Lead engineers individually in front-end strategy execution, ensuring alignment and delivery to production.
- Evangelized JavaScript/Typescript and React development best practices and set exceptional standards for delivery teams through code reviews, pair programming, and technical discussions.
- Conducted audits of UI application third-party packages for health and compatibility.
- Standardized front-end technologies and documented migration paths for tech stack modernization.

Community Building and Partnerships:

- Facilitated multi-team UI strategy sessions to foster a collaborative UI community.
- Collaborated with the Home Depot Enterprise Design Ops team for design system adherence.
- Partnered with the Principal UX Designer to integrate UX patterns into global components.

Talent Development:

- Involved in hiring and interviewing for Principal Software Engineer roles and participated in national hiring events to attract top talent.
- Provided mentorship to team engineers giving informal feedback on their strengths and weaknesses as well as coaching on their career progression.

Technical Skills Used:

JavaScript, TypeScript, React, Node.js, Express, Webpack, Vite, Lerna/NX, Zustand, Google Cloud Platform, Docker, Kubernettes, PostgreSQL, Redis, Kafka, Figma, Git/GitHub, Continuous Integration & Delivery, System Design & Architecture

EXPERIENCE: 09/2021 – 01/2023

Stitch Fix, Inc.

Alpharetta, GA
(Remote)

Principal Software Engineer - UI
Domain: Retail Technology

- Led updates to modernize micro-frontend React applications and create plans for new platform solutions for the lower funnel Buying Experience. Updates included migrations to Typescript and a new front-end only stack using NextJS and graphql from Rails.
- Evangelized JavaScript/Typescript and React development best practices and set exceptional standards for the team through code reviews, pair programming, and technical discussions.
- Collaborated with upper management, Product Management, Design, and other cross functional teams to define and deliver on our domain's product and technical roadmap through and iterative and agile software delivery process.
- Closely monitored performance and business metrics of all production applications in the Buying Experience domain to make data driven analysis and decisions on critical feature development to increase customer retention and spending.
- Provided mentorship to team engineers giving informal feedback on their strengths and weaknesses as well as coaching on their career progression.
- Lead feature development projects including writing PRDs, Risk Analysis, Task break down and delegation
- Diagnose complex customer issues and take ownership of issue resolution
- Be available as needed for on-call rotation to monitor production site reliability. Triage and resolve any arising issues and anomalies resulting from failed jobs, containers, or spikes in abnormal activity as primary on-call resource.

Technical Skills Used:

JavaScript, TypeScript, React, Node.js, Webpack, GraphQL, Ruby, Rails, Amazon Web Services, Docker, Kubernettes, PostgreSQL, Redis, Kafka, Figma, Git/GitHub, DataDog, Continuous Integration & Delivery, System Design & Architecture

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EXPERIENCE: 10/2018 – 6/2020 Amobee, Inc. Alpharetta, GA
Lead User Interface Engineer (Remote)

Domain: Enterprise Advertising Technology (AdTech)

- Led and guided UI Platform team members in the implementation and execution of UI Platform projects and component architecture.
- Oversaw day-to-day, hands-on development across projects based on an advanced skill level in client-side programming;
- Worked with key product stake holders, Engineering Directors and VP of Engineering to coordinate work and delivery of design systems and component libraries to multiple distributed teams.
- Created architectural solutions that reflect clear knowledge of application architecture in multiple stacks, and domain subject matters;
- Maintained a high level of internal customer service that is prompt, responsive, courteous, and comprehensive;
- Maintained working relationships that facilitate the positive outcome of program objectives and product roadmap.
- Defined and documented standards and best practices for coding style, conventions, and development frameworks.
- Ensured quality assurance practices were implemented and met across all UI component libraries distributed to development teams.
- Managed team by ensuring each team member is individually set up for success in their role.
- Fostered team member growth and independence.

Technical Skills Used:

JavaScript, Typescript, AngularJS, Angular, React, Redux, Webpack, d3.js, JSON, Bootstrap, CSS 3, SASS, HTML5, Responsive Design/Development, Agile/SCRUM, Git

EXPERIENCE: 11/2013 – 1/2019 Cisco Systems, Inc. Alpharetta, GA
Sr. Software Engineer - UI (Hybrid Remote)

Domain: Enterprise Cyber and Network Security

- Developed user interfaces and provide leadership to other developers based on an advanced skill level in client-side programming
- Visualize, own, and executed the creation of a UI experience from initial concept to final implementation
- Developed user interface prototypes and specifications to create a web product that is easy-to-understand, user-friendly, and tailored to meet the needs of diverse user profiles within the domain of Network Security and Mitigation
- Provide recommendations that reflects clear knowledge and application of domain subject matter
- Maintained a high level of customer service that is prompt, responsive, courteous, and comprehensive
- Maintained working relationships that facilitate the positive outcome of program objectives
- Set up and maintained best practices for JavaScript coding style, conventions, and development frameworks.

Technical Skills Used:

JavaScript, jQuery, AngularJS, d3.js, jQuery UI, AJAX/JSON, Twitter Bootstrap, CSS 2/3, LESS/SASS, HTML5, Spring MVC (Java), Responsive Design/Development, Agile/SCRUM, Grunt, Maven, Git, Problem Solving and Analysis, QA Testing, Rally, Version One, Jira, Confluence

Additional career history can be found on [Linked In](#)