**Christian Kelley**

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**SENIOR SOFTWARE ENGINEER**

Experienced Software Engineer with over a decade of expertise in designing and delivering high-performance applications and enterprise solutions across diverse industries, with a strong focus on e-commerce. Driven by innovation and a commitment to excellence, recognized for transforming complex technical challenges into scalable, impactful results. Known for fostering collaborative, growth-oriented team environments and consistently delivering outcomes that enhance product quality, optimize performance, and drive organizational success.

**WORK EXPERIENCE**

**Etsy** - *Remote* Apr 2022 – Present

**Senior Software Engineer**

* Spearheaded full-stack development on major **React** front-end projects and **Java**, **Node.js** based back-end services, enhancing user experiences in the fast-paced e-commerce industry.
* Integrated **TypeScript** into the development workflow to enhance application reliability and maintainability, while leading **API design** initiatives for seamless service integrations.
* Implemented complex database solutions using **PostgreSQL**, **MySQL**, and **NoSQL** platforms like **DynamoDB** and **MongoDB**, ensuring optimal data management and retrieval.
* Leverage **AWS** cloud services to scale operations, optimize performance, and achieve cost efficiencies.
* Mentor junior developers and foster a collaborative environment, aligning with **Agile** Scrum strategies and supporting DevOps practices to streamline **CI/CD** processes.

**Cognizant** - *Remote* Oct 2017 – Mar 2022

**Senior Software Engineer**

* Led back-end development for Realtor’s real estate platform using **Java** and **Spring Boot**, creating a scalable architecture that efficiently handled complex data transactions and **API** **integrations**.
* Developed a robust backend for Wish’s e-commerce platform using **C#, ASP.Net Core** to manage product catalog, order processing, and inventory control, integrating **SQL Server** and **PostgreSQL** for CRUD operations and real-time updates
* Leveraged **Django** templates and integrated **JavaScript libraries** like **Chart.js** and **D3.js** to create dynamic visualizations of patient data for CVS Health.
* Optimized query performance and data retrieval speed for a high-traffic e-commerce platform by implementing **indexing**, **caching** (Redis), and partitioning in **PostgreSQL**, significantly reducing server load.
* Streamlined deployment processes for a multi-cloud environment, automating the setup of **AWS** and **Azure** infrastructure using **Terraform** and **CloudFormation**, greatly improving provisioning efficiency.
* Enhanced test coverage and reliability by integrating **Cypress** for end-to-end testing and automating the test execution in **GitLab CI**, resulting in fewer production bugs.

**eBay** - *San Antonio, TX* Nov 2014 – Sep 2017

**Software Engineer**

* Implemented responsive designs with **HTML5**, **CSS**, **JavaScript**, and **Bootstrap**, managing data flow via **RESTful APIs** for interactive web applications.
* Contributed to web projects in an **Agile** team, focusing on UI and dynamic interactions with **JavaScript**, and gained exposure to back-end development with **Java**, primarily using **Spring MVC**.
* Designed and maintained **MySQL** databases to ensure data consistency and integrity, and validated performance using testing tools like Selenium.

**EDUCATION**

**National University of Singapore**

Bachelor of Computer Science, 2010 – 2014

**PROFESSIONAL SKILLS**

* **Frontend & Styling:** React, Next.js, Angular, Veu.js, Nuxt.js, JavaScript, TypeScript, HTML, CSS, TailwindCSS, Redux, Zustand
* **Backend & DB:** Java, Spring Boot, Node.js, Express.js, Python, Django, Flask, C#, ASP.NET Core, MySQL, PostgreSQL, MongoDB, RESTful APIs, GraphQL, WebSockets, SQL Server, Redis
* **Cloud & DevOps:** AWS, Azure, GCP, Docker, Kubernetes, Git, CI/CD Pipelines
* **Testing & Quality Assurance:** Jest, Cypress, Selenium, JUnit, Jenkins, xUnit, MSTest, Postman, TDD, BDD