Timothy Kaing
Full Stack Engineer

(480) 737-6801
San Francisco, CA
timothy.kaing@gmail.com

timkaing.com
github.com/timkaing
linkedin.com/in/timothykaing

Software Engineer with over three years of web development experience specializing in React, TypeScript, and Node.js. Joined SAP through the Silicon Valley Next Talent Program (SVNT) and found a home at SAP.iO – a business unit that fosters startup innovation and explores new business modals. Passionate about user experience design, generative AI, and forming communities.

Skills

Language	JavaScript, TypeScript, HTML, CSS, GraphQL, SQL, Python, Rust
Libraries/Frameworks	React, React Native, Next.js, Express, Cypress, Jest, Mocha, Flask
Tools	Git, Heroku, Apollo, Docker, MongoDB, MySql, Postgres, Figma, Sketch

Technical Experience

Software Engineer: Business Process Intelligence Team   **Jan 2022 — Present**
SAP   *San Francisco, CA*

- Integrating "Actions" into the Process Transformation Suite by introducing various entry points into the application through Widgets, Dashboards, and Investigations.
- Building "Actions", a platform that enables users to write SIGNAL queries in order to process data and apply actions based on conditions of the results.
- Assisting in the acquisition of Signavio by integrating their codebase into SAP's. Building UI components for the new micro-frontend while adhering to their pre-existing design system (React, Redux, LESS).
- Leading the development of the GraphQL data layer responsible for connecting the frontend and backend services.
- Fulfill the role of a user experience designer by working alongside product owners to design and explore various user flows and swiftly produce mock-ups in Figma as the interim designer.

Software Engineer: Spotlight Team   **Jun 2020 — Jan 2022**
SAP   *San Francisco, CA*

- Developed data visualizations for the Process Discovery Dashboard by using G2Plot and Recharts which provided actionable insights based on customer ERP data.
- Migrated from a single-tenant to a multi-tenant application by refactoring the codebase and creating a shared component library, resulting in a 30% overall reduction of technical debt.
- Exceeded SonarQube requirements and simulated real user scenarios by maintaining 80% code coverage for unit tests in Jest and developing end-to-end tests in Cypress.

Leadership

Founder   **Oct 2014 — Aug 2017**
Desert Hacks   *Tempe, AZ*

- Organized and delivered Arizona State University's first national collegiate hackathon which amassed 500 students.
- Founded and led a team of student organizers by engaging in agile practices to ensure the completion of set duties.
- Prepared a pitch deck that would be used to engage with various companies that would raise $50,000 in sponsorship.

Student Leader   **Jan 2015 — Jan 2016**
CodePath University   *San Francisco, CA*

- Instructed and organized a 12 week iOS course which gave an opportunity for students to learn mobile app development outside of the university's curriculum.
- Established a community at Arizona State University that pursued entrepreneurship through the products they built.

Education

Bachelor of Science in Applied Computer Science, *Dominican University of California*   2018 - 2020