

George Song

Experienced, Hands-on Engineering Leader

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Seattle, WA

Core Competencies

- **Effectiveness and Collaboration:** Empower teams, amplifying productivity and cultivating a culture of high-performance dynamics.
- **Swift Domain Mastery:** Rapidly grasp unfamiliar domains, innovating solutions despite limited prior knowledge.
- **Concept to Implementation:** Synthesize intricate ideas into actionable plans, user-centric designs, and top-notch implementations.
- **Agile Adoption of Best Practices:** Proactively stay current with industry standards, strategically infusing them into the development process.
- **Streamlined Workflows:** Dedicated to frictionless development, continually refining processes for efficient software lifecycle experiences.
- **Cross-Community Insights:** Actively engage with diverse programming communities, absorbing and integrating invaluable learnings.

Technology Proficiency

- **Front-End:** Expert in React (with or without Remix), crafting dynamic and responsive interfaces for exceptional user experiences.
- **Back-End:** Skilled in Node.js and Express, developing robust foundational solutions for web applications.
- **GraphQL:** Experienced with Apollo, facilitating efficient data management and communication.
- **Python & Django:** Proficient in crafting Django-powered Python applications with a focus on readability and maintainability.
- **Docker:** Adept at Docker for consistent development and reliable software delivery.
- **Efficient Deployment:** Proficient in Ansible, streamlining server configuration management.
- **Cloud Expertise:** Skilled in cloud-based deployments on Ubuntu LTS, ensuring scalability and reliability.

Objectives

- **Joining Impactful Community:** Dedicated to diverse, purpose-driven communities for positive change.
- **Nurturing Mastery:** Refine skills encompassing user experience, application development, and fostering growth in others, culminating in driving perpetual innovation.
- **Embracing Collaboration:** Thrives on cross-disciplinary teamwork, valuing diverse insights for enhanced learning and outcomes.

Experience

Dequency: Head of Engineering, Jun 2022–Jul 2023

At Dequency, I took charge of the external agency-built v2 platform. V2 presented challenges hindering rapid iterations:

- Complex abstractions reminiscent of Java web apps.
- Tight coupling of front-end features across user roles.
- Mismatched domain and schema models.
- Prevalence of elusive bugs.
- Unreliable and sluggish continuous integration and deployment.

I led the transition to in-house maintenance of v2 while making the bold call to reconstruct the platform. In just 8 months with a compact team, I achieved both feats. The new platform seamlessly supplanted v2, addressing all deficiencies and introducing previously difficult-to-develop features:

- Integrated AI music analysis engine, significantly enhancing discovery.
- Introduced Stripe payment integration, welcoming non-crypto users.
- Implemented a custom license feature, unveiling new business opportunities.

Our teams swiftly developed proof-of-concept apps (e.g., one for Twitter in a week), cut deployment time by 70%, reduced hosting expenses by 95%, and notably boosted developer productivity and morale.

EDB: Director of UX Engineering, Nov 2020–May 2022

Led efforts in advancing business app development maturity. Key achievements include:

- Designed data architecture for reduced errors and manual tasks.
- Established API gateway for unified service federation.
- Centralized authentication, enhancing user management.
- Separated website presentation from content management, aiding front-end iterations.
- Transitioned to event-driven architecture, decoupling services.
- Developed product registry service for streamlined product lifecycle management.

Bigtincan: Principal Team Lead, Apr 2018–Oct 2020

- Enhanced development speed via modern practices like contract-first API development, efficient testing, and streamlined CI/CD.
- Elevated product quality through design-led development.
- Bolstered organizational agility via mentorship, aligning skills with needs.
- Cultivated individual effectiveness and value.

Miro: Director of Technology, Nov 2017–Feb 2018

- Devised strategy to retire outdated and tangled legacy systems.
- Built unifying platform for seamless access to existing and new features, aiding legacy replacement.
- Established interview processes, conducting interviews to onboard senior engineers and other team members.

edX: Open Source Developer Advocate, Aug 2016–Oct 2017

- Implemented Docker-based dev environment, slashing setup time from days to minutes.
- Crafted React transition roadmap, boosting retention and open source engagement.
- Enhanced cross-team and external communication.
- Innovated user experience design methods, accelerating feature development.

Monozuku Consulting: Founder, 2005–2022

Exemplary client projects:

Apple: Patents and Standards Research Tools

- Slashed patent research time for billion-dollar negotiations from months to minutes. Linked diverse data, created user-friendly interface.
- Conducted vital historical standards research through NLP-enabled document collection and indexing.

Warner Bros. Discovery: Media Scheduling Platform, Enterprise Search, Developer Training

- Prevented multi-million dollar errors.
- Significantly enhanced user efficiency and satisfaction.
- Facilitated seamless front and back end development with system-wide contract-first API design.
- Elevated client developers' expertise through AngularJS, ES2015+, Gulp, and JavaScript best practices training.

Knipper: Roadmap for Architecture and Development Transformation

- Garnered CEO, CFO, and CTO support for merging platforms and enhancing agility via researched presentations.
- Enhanced capabilities by recruiting Development and QA Directors.
- Acquired budget and formed transformation team.
- Gained buy-in from cross-department stakeholders by tailoring benefits presentations.

ClearStory: Director of Technical Services, 2000–2004

- Generated multi-million dollar revenue through leadership of developers and support specialists.
- Increased revenue by several million dollars through the implementation and evolution of a product API, enabling the design and construction of custom UIs.

On the Side

- [Techtonica](#): Advised CEO, provided technical help, created teaching material, mentored apprentices, 2016–2022
- [Django Girls](#): Coach, 2016–2020
- [UniversalGiving](#): Tech Advisory Committee Member, 2015–2020
- [Hackbright Academy](#): Mentor, 2014–2015
- [European Patent Office API Client](#): Author and Maintainer, 2014–Present
- Give talks and run workshops at meetups and conferences.
- Provide one-on-one sponsorship to underrepresented developers.

Education

University of California, Berkeley: Computer Science