ARJUN GANESAN

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About Me

I am an innovative engineering architect and leader with over a decade of experience delivering cutting-edge solutions across full-stack, cloud-native, and AI-driven technologies. Highly adaptable to emerging trends, I specialize in integrating Generative AI into enterprise platforms, architecting scalable micro-frontends, and ensuring seamless experiences for millions of users. Beyond technical implementation, I'm passionate about mentoring and empowering teams—helping engineers grow into the best versions of themselves while maintaining a steadfast focus on exceptional user experiences and sustainable product evolution.

Core Competencies

- **Leadership & Strategy:** Engineering leadership, mentorship, technical governance, cross-functional collaboration, talent acquisition.
- **Architecture & Technology:** Scalable micro-frontend architectures, design systems, cloud-native deployments (Azure, GCP, AWS), CI/CD pipelines.
- **AI & Data:** Generative AI (OpenAI, Claude, Gemini), Multi-Agent frameworks (Autogen), Retrieval-Augmented Generation (RAG), Vector DB, analytics platforms.
- **Frontend & Backend:** React, Node.js, Module Federation, Webpack, Docker, Microservices, RESTful APIs.

Professional Experience

Senior Architect

Kissflow / Oct 2022 - Present

- Leading AI-driven initiatives to enhance Kissflow's no-code/low-code platform capabilities.
- Conducted extensive research and benchmarking of LLMs (Gemini, OpenAI, Claude, Llama) to guide architecture decisions.
- Developing core frameworks for Multi-Agent systems and RAG to deliver context-aware conversational experiences.
- Collaborating with product teams to seamlessly integrate AI-driven features into various solutions.

Technical Architect

Kissflow / Nov 2021 - Oct 2022

- Served as Frontend Chapter Lead, overseeing ~40 engineers and setting organization-wide frontend standards.
- Coordinated with product managers, designers, and engineering leads to streamline requirements and solution alignments.
- Guided teams in addressing technical debt, optimizing code quality, and adopting best practices.
- Drove skill-building initiatives, training sessions, and hiring efforts to elevate frontend capabilities.

Associate Technical Architect

Kissflow / Jul 2019 - Oct 2021

- Led the development of Kissflow 4.0's next-gen frontend architecture (React, Micro Frontends, Design System).
- Engineered a custom datagrid component capable of handling up to one million rows efficiently.
- Established the build system (Webpack) and a scalable micro-frontend environment to support rapid product iteration.
- Collaborated with cross-functional teams to ensure pixel-perfect UI and consistent design language.

Chief Developer & Co-Founder

California Communications, Inc / Dec 2012 - May 2019

- Oversaw architecture, team planning, CI/CD setup, and product deployments across multiple web and communication products.
- Built and managed multiple small teams, both in-house and through external consultants.
- Created products leveraging Node.js, Angular, WebRTC, Twilio, and cloud platforms (Azure).
- Directed end-to-end product development from ideation to launch within a startup environment.

Other Roles

- **Trainee Engineer, CashEdge India (Nov 2011 – Jul 2012):** Configured and customized banking applications for US financial institutions.
- **Software Engineer, Lapilluz Software Solutions (Jul 2010 – Nov 2011)**: Involved in end-to-end development of analytics-focused web/desktop applications in a startup setting.
- **Short Gap – Community Projects (May 2019 – Jul 2019):** Focused on Amazon Alexa developer tools; recognized as an Alexa Champion.
- **Short Gap – Entrepreneurship (Jul 2012 – Dec 2012):** Developed a marketing and analytics platform, finalist in Microsoft Accelerator Program.

More project details can be found in

arjunganesan.com/projects

Selected Projects

Kissflow 4.0

- **Tech:** React, Micro Frontends (Module Federation), Design System, Webpack, Docker
- **Highlights:** Led the creation of a scalable frontend architecture and design system; built complex custom datagrid for large data sets.

Kissflow Assist

- **Tech:** Generative AI (Gemini, GPT-4, Claude), Multi-Agent Framework (Autogen), Vector DB (MongoDB), RAG, Twilio
- **Highlights:** Integrated conversational AI capabilities across Slack, MS Teams, WhatsApp, and voice calls; researched and deployed state-of-the-art LLM solutions.

Ultra-Board

- **Tech:** WebRTC, Twilio, Angular, Node.js, Azure, MongoDB, Communication, Cloud, Webpack
- **Highlights:** Architected and led a 10-engineer team to build a collaborative video conferencing and screen-sharing platform, integrated Twilio STUN/TURN with WebRTC for low-latency streams, leveraged Azure for scalable deployments, and iterated swiftly based on user feedback to enhance usability and stability.

Thirukural.ai

- **Tech:** React, Node.js, Azure OpenAI, RAG
- **Highlights:** Viral AI-driven cultural literature conversational platform with 10k+ users in one day; integrated retrieval-based LLM responses at scale.

Education

B.E. Computer Science & Engineering

St. Peter's Engineering College / 2006 - 2010