Winston Koh

Strategic Systems Architect │ AI-Augmented Solutions

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SUMMARY

Systems architect with 12+ years across finance, insurance, and education. I build AI-augmented workflows that turn manual overhead into automated leverage. **Core thesis:** Human intent (1% nuance) + AI scale (99% execution) = 1000% leverage.

TECHNICAL SKILLS

Languages & Web: Python, JavaScript, TypeScript, HTML/CSS, SQL, Markdown, React, Next.js, Vite, Node.js

AI & Architecture: Prompt Engineering, RAG Pipelines, LLM Integration, Vector Search (pgvector), Supabase, Protocol-Driven Design

Tools & DevOps: Git, GitHub Actions, VS Code, Google Analytics 4, Vercel, CI/CD, Agile, Technical Documentation

KEY PROJECTS

Project Athena — AI-Powered Knowledge OS   Live │ GitHub
- Built open-source AI knowledge system with **4,000+ indexed memories** using hybrid RAG (vector + keyword search).
- Designed 277+ decision protocols; featured on r/ClaudeAI with 2.7K views, 100% upvote ratio.

SME Web Solutions Portfolio   View Portfolio
- Architected production sites averaging **95+ Lighthouse scores**; built landing pages with WhatsApp lead capture, cart systems, SEO optimization.

PROFESSIONAL EXPERIENCE

Strategic Systems Architect │ SME Web Services   *2024 – Present*
- Lead full-cycle web development from discovery to launch; maintain 24-72 hour turnaround on production builds.
- Partner with clients across F&B, education, and professional services to translate requirements into technical specs.
- Architect static-first solutions prioritizing performance, SEO, and maintainability over framework complexity.

Officer (Curriculum Development) │ Singapore College of Insurance   *2012 – 2015*
- Collaborated with SMEs to design MAS-compliant financial planning curricula; coordinated cross-functional teams for e-learning delivery.

Teaching Assistant │ Singapore Management University   *2012*
- Supported Investor Relations modules; mentored students on financial communications best practices.

EDUCATION & CERTIFICATIONS

Bachelor of Business Management (BBM) │ Singapore Management University, 2011
Double Major: Finance & Corporate Communications
Certifications: CFA Level 1 (2015) │ ACTA WSQ (2014) │ ChFC®/S, CLU®/S (2013) │ CFP® Modules 1-6 (2010)