

Kevin Lin

Principal Software Architect & People Lead



Profiles

Kevin is a veteran software engineer and technical architect with over 15 years of experience.

While he has a strong background in enterprise software, his recent focus has been on delivering high-quality mobile applications across various industries. He has successfully led and developed cross-platform mobile projects using React Native/Expo and Flutter.

Having earned his MTech in Software Engineering from the National University of Singapore, he remains passionate about both technology and craftsmanship, delivering clean, pragmatic solutions. Kevin actively promotes engineering best practices—including Test-Driven Development (TDD) and software craftsmanship—through regular coding sessions and workshops.

Kevin has also embraced DevOps and cloud-native architectures, working extensively with Docker, Kubernetes, and AWS/Azure. He embraces a DevOps mindset to create resilient, high-performing, and scalable systems, integrating Monitoring, Logging, and Alerting (MLA) from the start.

As a proven leader and team player, Kevin values transparency and trust, which he fosters among stakeholders and colleagues alike. His leadership experience includes guiding development teams of various sizes to successful delivery, while cultivating strong client relationships and stakeholder management across diverse projects.

Professional Development

2018 - present | Zuhlke, Singapore
Principal Software Architect & People Lead

2011 - 2018 | Tullett Prebon, Singapore
Development Manager

2010 - 2011 | Barclays Capital, Singapore
Assistant Vice President

2008 - 2010 | Macquarie Capital Securities, Singapore
Associate

2006 - 2007 | BCS Information System, Singapore
Software Engineer

Major Areas of Expertise

- **Enterprise Application Development (JVM Ecosystem):** Extensive experience with Spring, message queues, MongoDB, Kafka.
- **Cross-Platform Mobile Development:** Proficient in React Native/Expo and Flutter for iOS, Android and web.
- **Front-End Web Development:** Skilled in JavaScript (React/Angular) and real-time communication (WebSocket).
- **System Integration Services:** Hands-on expertise with JMS, Solace, and Kafka for distributed systems.
- **DevOps & Cloud-Native Architecture:** Experienced in Docker, Kubernetes, and AWS for scalable, resilient deployments.
- **Agile Methodologies:** Strong practitioner of Agile development and Scrum for iterative and transparent project delivery.

Project Examples

<p>Development of a Comprehensive Health Companion Platform for a Leading Healthcare Provider</p> <p>Zuhlke collaborated with a prominent Southeast Asian healthcare provider to develop a personalized health companion platform, offering an all-inclusive, customer-centric solution. Utilized cutting-edge technologies and agile methodologies to deliver a seamless user experience across various platforms.</p> <p>Key Contributions:</p> <ul style="list-style-type: none">• Spearheaded the development of a native iOS/Android app for public customers, employing a continuous delivery platform for regular updates and feature enhancements.• Architected and implemented API services utilizing microservice architecture, ensuring scalability and adaptability with cloud-native deployment strategies.• Integrated a wide range of third-party products to deliver an extended list of features and services <p>Tasks:</p> <ul style="list-style-type: none">• As Technical Lead, directed the team in delivering crucial features, including user onboarding and patient insights.• Drove end-to-end architecture solution design, from conceptualization to implementation, ensuring optimal performance and reliability. <p>Methods and Technologies: Java, AWS (EKS, API Gateway, SNS, SQS), Terraform, Docker, Kubernetes, Helm, MongoDB</p>	<p>Build strategic platform for customer-facing application for a major bank</p> <p>A major bank in Singapore want to deliver and operationalise the technology delivery platform their next-generation digital banking proposition for Retail and Wealth Customers,</p> <p>Zuhlke is brought in help the bank to establish their software development capabilities that:</p> <ul style="list-style-type: none">• Enable software delivery in modern, progressive, agile way• Deliver features and services rapidly and robustly on mobile and web platforms that are stable, performant and scalable• Enable monitoring, logging, and alerting at every level throughout the application and service stack <p>Tasks:</p> <ul style="list-style-type: none">• Work as tech lead to lead the team that focus on Identity and Access Management (IAM) solution• Drive architecture and implementation of the solution of applications• Lead and establish the DevOps practices the supports the application delivery <p>Methods and Technologies: ForgeRock, Kong, Java, AWS (EKS, AuroraDB), Docker, Terraform, Helm</p>
<p>Support development and Agile transformation for a video streaming start-up</p> <p>A Singaporean start-up develops their own video streaming product, which must be easily scalable, highly available and quick to develop to react to new business opportunities.</p> <p>We chose to split the existing backend into multiple micro services and deployed the various services on over 100 cloud instances.</p> <p>Tasks:</p> <ul style="list-style-type: none">• As part of the API team, implement services following micro-service architecture.• Extending CI pipelines to support automated tests. <p>Methods and Technologies: NodeJS, Go, AWS (EC2, ECS, AuroraDB), JavaScript, ReactJS, PostgreSQL, Redis</p>	<p>Real-time Trading Platform for Derivative Products</p> <p>An institutional broker firm build a strategic real-time OMS trading front-end that can be integrated with any matching engine and support multiple asset classes.</p> <p>The platform employs latest web technologies since the beginning; it targets OpenFin as the target runtime target, Diffusion server for WebSocket support, adopts a complete message-driven architecture to deliver high throughput, low latency real-time push updates to support the estimated market event frequency (200~300 orders per seconds).</p> <p>Tasks:</p> <ul style="list-style-type: none">• Lead the project team as dev lead• Ensure solution is properly designed to meets all functional and non-functional requirements, built, and delivered according to the sprint planning• Run the daily call with the project team from various office locations of the company• Provide user support and production support <p>Methods and Technologies: Java, JavaScript, TypeScript, WebSocket, AngularJS, JMS, Spring, MongoDB, FIX/FAST, RMDS</p>