Sangmin Lee

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Summary

Senior Full-Stack Engineer with 10+ years of experience designing, building, and optimizing scalable SaaS platforms and data-driven web applications. Skilled in Next.js, Node.js, Angular, and SQL, with proven success delivering secure, high-performing apps and integrating AI/ML features. Highly specialized in increasing front-end performance and experimenting with CRO / multivariate testing. Delivered UI experiences at scale — supported millions of users while solving complex UI problems. Strong track record implementing experimentation frameworks and ensuring discoverability via SEO, AEO, and GEO.

Skills

- AI Product Development & Deployment
- Full-Stack Engineering (Next.js, Node.js, Angular)
- SaaS Integration & Subscription Platforms (Stripe, Supabase)
- Experimentation Engineering (Optimizely, Google Optimize)
- UI/UX Performance Optimization & Accessibility Compliance
- Data Visualization (CesiumJS, 3D Geospatial Systems)
- RAG Pipelines & Analytics Tracking
- Leadership, Mentorship & Cross-Team Collaboration

Experience

Co-Founder, 03/2025 – Current
Mindcraftor – Palisades Park, NJ
- Built AI SaaS platform from concept to launch using Next.js, Node.js, Supabase, OpenAI, and Stripe.
- Developed key features including AI business idea generation, validation engines, and an autonomous CX agent.
- Designed and managed RAG workflows with integrated analytics for performance insights.
- Acquired 2,000+ users in first months through product-led growth and optimized onboarding.
- Implemented payment systems with usage-based and subscription pricing models.
- Oversaw end-to-end execution: design, engineering, infrastructure, and customer support.

Experimental Engineer, 06/2021 – Current
SAE.SO
- Engineered client-side A/B tests on Next.js and WordPress using Optimizely and Google Optimize.
- Developed custom DOM-diffing and mutation observer strategies to handle restricted environments.
- Created reusable experimentation utilities to standardize variant rendering and exposure tracking.
- Delivered creative solutions where backend access was limited, enabling experimentation in legacy stacks.

Senior Research Scientist, 01/2021 – 05/2025
Peraton Labs
- Improved mission-critical web applications with UI optimizations, cutting load times by 28%.
- Built secure, interactive 3D geospatial visualizations with CesiumJS for real-time intelligence rendering.
- Partnered with product, design, and backend teams to ensure accessibility and federal compliance.
- Produced prototypes and demos that secured contract renewals and program continuation.

Senior Full Stack Engineer, 12/2016 – 01/2021

Verdocs – New York, New York
- Architected and maintained enterprise applications with Node.js and Angular from inception to scale.
- Aligned technical execution with business objectives by collaborating directly with stakeholders.
- Helped establish product and technical roadmap, ensuring long-term scalability.
- Mentored engineers and established coding best practices.

Lead Front End Developer, 09/2015 – 12/2016
Complex Networks – New York, New York
- Modernized high-traffic media websites, migrating legacy Laravel sites to Angular/React + Node.js.
- Drove mobile responsiveness and cross-device compatibility improvements.
- Collaborated with CRO, design, and product managers to increase engagement and conversions.
- Mentored new hires on emerging front-end frameworks.

Education

Master of Science Computer Science, 9/2011 – 12/2013
New York Institute of Technology – New York, NY

Bachelor of Science Accounting, 09/2004 – 05/2008
New York Institute of Technology – New York, NY