

ROBERT SKWIAT

+1 (908) 421 3839 - rob@robertskwiat.com - <https://www.linkedin.com/in/robertskwiat/>

SUMMARY

Full Stack Engineer and Technical Leader, 10+ years in high performance domains including AdTech, FinTech, and EdTech Extensive knowledge in full stack TypeScript/modern tech stack environments and AI tooling. Deep frontend expertise (performance, architecture, design) focusing on high quality components, smooth UX and scalability. Recognized for technical mentorship, improving team output, leading adoption of new technologies, including AI. Experience in scrappy startup environments and more structured enterprise teams, though best suited to fast-paced early teams where new problems arise every day. Beyond professional experience, I serve as an Adjunct Professor at Kean University, mentoring the next generation in modern AI-driven full stack development and native mobile frameworks.

React, TypeScript, React Native, Next.js, Redux Toolkit, JavaScript, GoLang, Node.js, Express, MySQL, MongoDB, SQL, Redis, AWS, GCP, Claude, Cursor, Git, GitLab, Jenkins, Gulp, Grunt, Jest, Figma, UI/UX Design Systems

EXPERIENCE

Senior Software Engineer

Kiddom, New York, NY

January 2026 - Present

- Led org-wide upskilling/adoption of agentic coding practises (Claude), with the key driver being to accelerate team performance and improve fix times for critical bugs
- Curriculum Team - Engineered core React and TypeScript architecture to streamline complex educational workflows, substantially improving web accessibility and interface usability for teachers and students globally
- Built and shipped a highly interactive onscreen protractor and digital calculator tool suite, addressing key student needs and enhancing the digital testing experience
- Improved builder tool accessibility, removed critical user-journey roadblocks for educators which greatly impacted classroom workflows, received extremely positive customer feedback based on key decisions
- **Tech Stack:** React, TypeScript, GoLang, MySQL, AWS, Figma

Lead Software Engineer

Prudential, Newark, NJ

March 2024 - January 2026

- Led full stack design and development of Prudential Advisors Connect, a centralized enterprise platform consolidating complex advisor data for annuities, benefits, and daily financial operations
- Directed a team of 4 senior to mid-level engineers including rigorous technical mentorship, regular pair programming sessions, and robust code reviews
- Architected and implemented scalable RESTful APIs and secure data storage solutions leveraging MongoDB and Express
- Maximized AI-assisted development (Claude), streamlined UI component creation, design-system alignment, and client-side performance optimization.
- Accelerated development workflow by 30%+ through tooling improvements (nodemon, husky integration)
- Built responsive interfaces using React and React Native with focus on scalability and user experience
- Collaborated cross-functionally with product owners to prioritize roadmap and delegate engineering assignments
- Established commit message standards and PR review processes to improve code quality and team velocity

Lead Software Engineer

Wunderkind, New York, NY

May 2020 - March 2024

- Spearheaded Ember-to-React migration delivering \$250K annual cost savings through improved application performance and reduced infrastructure overhead
- Architected custom authentication system using React, TypeScript, and Redux, streamlining access management across three internal applications and reducing onboarding friction
- Led team of 3 mid-level engineers through technical mentorship, pair programming, and comprehensive code reviews
- Partnered with product management and stakeholders to define quarterly OKRs and prioritize feature roadmap
- Translated business requirements into technical specifications and delivery timelines

Senior Engineer, Senior Engineer II
Mastercard, New York, NY

July 2017 - March 2020

- Maintained and enhanced Mastercard Developer Portal, supporting successful launch of new API products for enterprise developer community
- Led migration from legacy CMS to modern NextJS/Forestry architecture, improving content management workflow and deployment efficiency
- Built and optimized features using React and Redux, ensuring scalable performance for global developer audience
- Mentored summer interns on React Native mobile development, resulting in successful project deliveries and improved team velocity
- Collaborated with product, design, and backend teams to deliver cross-functional features in agile environment

Lead Software Engineer
Mediabrix, New York, NY

July 2015 - July 2017

- Established cross-functional collaboration framework with project management and QA teams, streamlining integration and deployment processes across multiple product releases.
- Elevated code quality standards by introducing JavaScript best practices and implementing comprehensive Jest testing framework, improving code reliability and maintainability.
- Reduced development cycle time by architecting an internal toolkit with Gulp-based build automation for custom mobile advertisements.

Software Engineer, Senior Software Engineer, Lead Engineer
KBS+, New York, NY

October 2011 - July 2015

- Led front-end development for BMW's flagship product launches, designing and building micro web applications that supported the successful market introduction of the 7 Series and X3 vehicles.
- Partnered with product stakeholders to translate business requirements into technical specifications, driving sprint planning, effort estimation, and delivery timelines.
- Architected and maintained scalable microsite infrastructure leveraging Grunt, Jekyll, and AWS to support multiple concurrent client campaigns.
- Ensured cross-browser compatibility and stability by resolving critical rendering issues in legacy browsers (IE 7/8), directly contributing to enhanced user experience and client retention.

ACADEMIC LEADERSHIP

Adjunct Professor
Kean University, Union, NJ

2012 - Present

- Developing and instructing web and mobile development curricula, bridging the gap between rigorous computer science, engineering principles, and human-computer interaction (HCI).
- Leading how to build cutting-edge developer workflows, teaching React Native mobile architecture, responsive design optimization, and frontend infrastructure fundamentals.
- Educational leadership in AI-driven development methodologies, preparing the next generation of engineers to adeptly adopt, implement and challenge emerging technologies in their workflows.

EDUCATION

Bachelor's Degree in Advertising, UX Design
Kean University, Union NJ

May 2008