ZACHARY COOTES

512-771-3145 | scootes26@gmail.com | Tucson AZ
GitHub | LinkedIn | Personal Site

Bio

Co-founder and Full-Stack Developer, delivering AI-driven, cross-platform solutions. I value collaborative teams that practice curiosity and strive for technical excellence. Highly skilled in React, TypeScript, and Node.js, with extensive experience leading end-to-end product development and optimizing user experiences in fast-paced environments.

Skills & Technologies

Frontend Development | Agile methodologies | End to end product development | Testing and Automation | TypeScript | React | React Native | Puppeteer | Redux | MongoDb | NodeJs | Jest |HTML | CSS | AI

Experience

Foxtail ai | Co-founder, Front End Lead | Seattle, WA   June 2021 - Present
- Co-founded a startup developing a B2C solution that empowers online resellers to create and manage listings across multiple e-commerce platforms—reducing listing overhead, increasing reseller profitability (Secured 2 rounds of funding)
- Created 130,000+ listings to date, and currently managing approx $3,300,000 of inventory.
- Built, optimized, and managed Foxtail's cross-platform suite of web, iOS (4.4★), and Android applications using React and React Native.
- Performed ~10,000 daily automations for users (create, update, delete, check status) through development and maintenance of 48 integration scripts for Etsy, Mercari, Poshmark, eBay, Depop, and FB Marketplace.
- Enhanced frontend performance and scalability for users with 20K+ documents by leveraging Redux and dom virtualizations.
- Ensured stable production for 150+ subscribed users by proactively detecting and resolving errors with Sentry, screen recording, and GCP logging.
- Achieved ~20 second, AI-powered listing generation to significantly boost listing speed.

Raytheon | RF Mechanical Engineer II | Tucson, AZ   June 2018 - June 2021
- Achieved successful flight test and product delivery for multimillion dollar missile defense program through leading end-to-end RF development, procurement, and testing.
- Decreased RF testing equipment procurement times by more than 30% through pioneering manufacturing processes and providing efficient design documentation. Authored processes and designs in a peer reviewed manufacturing guide.

Projects

Pennyroyal | Co-founder, Full Stack Developer   June 2023
- Built an AI-powered image-generation site using TypeScript, React, and Redux, enabling users to purchase custom pet merchandise featuring AI-stylized photos.

Education

California Polytechnic State University – GPA: 3.57 (Dean's List five quarters **)**   May 2018
- Bachelor of Science, Mechanical Engineering
- NCAA Division I College Swimming Athlete, Cal Poly (2014 - 2018)