JESSE CHOU

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SKILLS

Programming: JavaScript (ES6+), TypeScript, React.js, HTML/CSS, Node.js, React Native, GraphQL, PostgreSQL, Jest, Cypress
Tools & Frameworks: Next.js, AWS, Docker, Kubernetes, Tailwind CSS, Expo, Supabase, NX, Cursor, LLMs, Git, Figma

EXPERIENCE

Paramount/CBS Sports – *Software Engineer;* New York, NY   March 2024 – Present
• Led development for the Authorization Experience initiative within Paramount by centralizing user authentication (registration, passwords, login) for 1 million+ MAU across CBS Digital properties (CBS News/Sports, Sportsline, 247Sports)
• Designed and implemented GraphQL inputs, types, queries, and mutations within a federated Apollo Server architecture, enabling seamless integration between a legacy UREG REST API and Server Actions to authenticate users.
• Achieved >80% code coverage across multiple CBS apps within an NX mono repo through unit testing with Jest and React Testing Library + E2E testing with Cypress/Playwright through DOM manipulation, network interceptions, and TDD
• Utilized Next.js 15+ to streamline the development process by creating reusable React.js components and leveraging server-side components/rendering, resulting in an improvement in page load speeds compared to the original Vite version
• Deployed application on AWS EKS using Docker and wrote Github Actions YAML files to help automate CI/CD pipeline throughout lower and production environments increasing feature releases by 20%.
• Implemented an email preferences center for CBS.com by creating an Apollo GraphQL subgraph and querying Iterable's API endpoints, increasing email open rate by 5% across a 100K user list for CBS IPs such as NCIS, Survivor, and Ghosts.
• Co-designed 50+ wireframes, mockups, and production-ready specs by utilizing Figma styles, variables, components, and libraries within Paramount's Playbook design system; maintained design token pipeline with Supernova.io
• Architected a Newsletter Tool utilizing AWS infrastructure (S3, IAM) providing a centralized tool for CBS site teams to manage newsletter configurations (cbssports.com/necwsletters, sportsline.com/newsletters, cbsnews.com/newsletters)
• Leveraged AI-powered coding tools such as Cursor, LLMs, MCP (Model Control Protocol) to streamline development workflows, enhance code quality, and accelerate feature delivery by 50%

Barclays – *Technology Analyst;* Whippany, NJ   August 2023 – March 2024
• Wrote Microsoft SQL Server queries to migrate 10,000+ users to new software package to remediate LOG4J vulnerability
• Managed ServiceNow incident tickets for an IBM mainframe host emulator (OpenText Reflection Desktop), resulting in a 25% increase in response times and maintaining SLAs for COBOL-based financial processing applications (TSYS, SWIFT)

Scholastic – *Associate Business Analyst;* New York, NY   January 2023 – August 2023
• Oversaw a 12-person cross-functional team (SWE, QA, Design) to build a corporate React.js eReader; led Scrum ceremonies and contributed to codebase, design reviews, and pull requests resulting in a 20% sprint velocity increase
• Spearheaded eReader integration for 100K+ MAU across LiteracyPro and Ready4Reading (flagship EdTech products)

NOTABLE PROJECTS

NotiKube – *Software Engineer;* (Open Source) - *Kubernetes Incident Management Platform*   July 2023 – March 2024
• Developed a Kubernetes incident management platform by integrating Prometheus Alertmanager to enhance DevOps teams with alert resolution efficiency while also providing cluster health metrics to aid in early issue detection

EDUCATION

The University of Texas at Austin   Bachelor of Business Administration, Management Information Systems
Corvinus University of Budapest   Study Abroad Affiliate Program in Budapest, Hungary

ADDITIONAL INFORMATION

Interests: Credit Cards Points, Financial Markets, OneBag Travel, Coffee, Skydiving