Scott Johnson

Technical Lead - Engineering Team & Org

Experienced Tech Lead and Software Engineer with 11+ years of expertise in designing and delivering high-performance, scalable web applications. Specializing in React, Redux, and full-stack development, with a track record of leading cross-functional teams and driving architecture decisions that enhance performance and user experience. Passionate about engineering innovation, optimizing workflows, and delivering robust, user-centric solutions in fast-paced, dynamic environments.

📍 Saint Charles, MO   ▢ scottwwj.com   in linkedin.com/in/scottwwj   ⦿ github.com/sylvandor

TECHNICAL SKILLS

Programming Languages	JavaScript, TypeScript, Java, Ruby, Python, CSS, HTML, C++, Kotlin, Swift, Bash, XML, Go	**Frontend Development**	React, Redux, SCSS, JSX, Webpack/Shakapacker
Backend & Frameworks	Ruby on Rails, Node.js, Eclipse RCP, REST	**Cloud & Infrastructure**	AWS, Terraform, Kubernetes, Netlify, Docker
Observability & Monitoring	Datadog, Datadog RUM, SignalFX, Sentry	**Integrations & APIs**	Salesforce, Snowflake, Stripe, Amazon Connect, Helpshift, Gridspace, TwelveData
Dev Tools & Collaboration	Git, GitHub, Jira, Slack, Notion, Draw.io, Figma, ChatGPT, CoPilot, Cursor.sh, JetBrains	**Databases & Data Stores**	MySQL, PostgreSQL, SQLite, Redis, Snowflake, Firestore, Oracle, OrientDB, SOQL

WORK EXPERIENCE

Technical Lead / Engineer
Block Inc. (Square)

11/2019 - Present   *Remote*

Achievements

- Directed technical strategy for distributed engineering teams of 100+ engineers within the Go-To-Market org, implementing scalable architecture solutions and driving system-wide innovations.
- Optimized AWS pipeline performance to process 3M Salesforce events daily with sub-300ms delivery, maintaining 99.95% uptime for critical operations.
- Established cross-functional partnerships across engineering, design, and ML teams to enhance workflow efficiency and deliver integrated solutions.
- Led the development of remote-first engineering practices, building specialized teams focused on sales enablement and internal system optimization.
- Streamlined account management operations through a strategic web application redesign, unifying complex data streams into intuitive interfaces.

WORK EXPERIENCE

Software Engineer
World Wide Technology

01/2018 - 10/2019   *Saint Louis, MO*

Achievements

- Developed the Mobile Field Kit (MFK) application for the Department of Defense, serving as the primary operational tool for Army National Guard Civil Support Teams.
- Integrated and evaluated CBRNE sensors with the MFK application, utilizing various communication protocols(RJ45, serial connections, etc.) to ensure seamless interoperability and data transmission.
- Led a specialized development team for a Department of Homeland Security project, collaborating with MIT Lincoln Lab to deliver mission-critical solutions.
- Designed and implemented an Android ATAK plugin, establishing development best practices and enhancing operational capabilities for field teams.
- Modernized a legacy Java RCP system, transitioning it to an Angular/Electron architecture, significantly improving system performance while ensuring Department of Defense compliance.
- Provided on-site technical support during active Civil Support Team missions, ensuring seamless application performance in critical operations.

Senior Software Specialist
National Information Solutions Cooperative (NISC)

05/2013 - 12/2017   *Lake Saint Louis, MO*

Achievements

- Led the design and development of a web-based outage platform, enhancing real-time monitoring and configuration tools for 30M users.
- Directed the Outage Management System (OMS) project, driving architecture decisions and feature development to optimize client satisfaction.
- Collaborated with clients, conducting performance simulations to improve system deployment and ensure operational efficiency.
- Developed scalable enterprise solutions as a full-stack web developer and Java application developer, delivering robust software for mission-critical operations.
- Enhanced system capabilities by optimizing architecture, performance, and reliability, ensuring seamless software delivery.

COURSES & AWARDS

Complete React Developer in 2022 (2022)
Zero to Mastery

CSS - The Complete Guide (2022)
Academind

Building Modern Node.js Applications on AWS (2023)
AWS

HACKtheMACHINE hackathon 1st place (2018)
US Navy

EDUCATION

B.S. of Computer Science
Southern Illinois University - Edwardsville

CERTIFICATES

US Government Secret Level Security Clearance
 (2019 - Present)