

Jake Roberts

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Senior Software Engineer | Web Applications | Systems Integration | Distributed Systems

Professional Profile

Senior Software Engineer with over 15 years of experience. Trusted to provide accurate estimates and high-quality architectural designs that prioritize long-term reliability and user experience over industry fads. A dedicated mentor and technical lead with a proven track record in process automation and secure systems integration.

Technical Proficiencies

- **Core Languages:** C#, .NET, TypeScript, JavaScript, SQL.
 - **Web & Frontend:** ASP.NET, Angular, HTML5, CSS3, Node.js, Microservices, CQRS.
 - **Cloud & DevOps:** AWS (Lambda, SQS, Step Functions, API Gateway), Docker, Git, IIS.
 - **Data & Integration:** SQL Server, DynamoDB, Cosmos DB, REST, SOAP, JSON, XML/XSLT.
 - **Security & Systems:** PCI, OAuth, PGP/SSH.
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Professional Experience

Vintage Software, LLC | Senior Software Engineer *August 2023 – April 2026*

- **Strategy:** Collaborated with leadership to set project schedules, document requirements, and define scope of work. Adopted AI-powered development tools (Cursor + Claude).
- **Modernization:** Served as Tech Lead for modernizing legacy applications to Angular and the CQRS pattern. Expanded unit and integration testing with xUnit and Autofac.
- **Security & Performance:** Spearheaded pen-test remediations and implemented critical security enhancements. Provided database analysis, optimizing queries and indexes.
- **Integrations:** Engineered secure interfaces with external APIs for marketing and financial systems, including rate-limiting and error handling.
- **Mentorship:** Provided team training on SQL Server, Unicode and Git while mentoring new hires and junior developers.

LogicL Software, LLC | Senior Software Developer *February 2022 – August 2023*

- **Cloud Infrastructure:** Developed AWS serverless applications utilizing Angular, API Gateway, Lambda, and DynamoDB. CI/CD implemented with CDK and AWS CodePipeline.
- **Distributed Systems:** Architected event-driven systems using SNS, SQS, and Step Functions to ensure scalable, resilient operation.

Henry Schein One | Staff Software Engineer *May 2019 – January 2022*

- **Optimization:** Led database re-architecture and query performance tuning to improve system speed, scalability, and reliability.
- **Security & Reliability:** Addressed TLS security vulnerabilities, user authorization, and data replication.

Close To My Heart, Inc. | Senior Software Engineer *June 2008 – May 2019*

- **Automation:** Built an in-house shipping fulfillment portal integrated with FedEx APIs and MS Great Plains ERP, replacing a manual paper-based workflow.
- **Scale:** Developed a custom registration system that allowed the business to scale from 3 annual events to over 100 while reducing IT overhead. Designed and migrated shared components to microservice architectures.
- **Security:** Implemented PCI-compliant data storage and ACH file encryption for secure banking transmissions. Modernized password storage with best practice hashing and storage.
- **Development:** Upgraded sensitive data storage (PII) with modern access controls and encryption standards.

ASRC Service Center | Software Developer *2005 – 2008*

Brigham Young University | Software Developer *2000 – 2005*

Education & Certifications

- B.S. Information Technology | Brigham Young University | *April 2005*
- AWS Certified Solutions Architect – Associate | *2023*
- AWS Certified Cloud Practitioner | *2022*