



Steve Forsyth

Senior Software Engineer | Architect

With over 18 years of experience as CEO and Principal Consultant, I specialize in custom application architecture and database system development, delivering tailored solutions to meet client-specific business scaling needs. My work spans collaborations with prominent clients, including Cengage Learning, Zappos, Leapfrog, and Harrah's Casino, where I provided expert technical guidance and end-to-end development services.

Recent projects include work on birdcart.com, a product aggregator leveraging Spring Boot, Spring Data/JPA, OpenAI, Gemini and Elastic Search, and The Civic Fix (coming soon), a government solution platform developed in React and hosted on Google Cloud Run and Neon. My work reflects a commitment to high-quality, scalable, and innovative technical solutions that drive business success.

📍 Corona, United States

✉ spforsyth@gmail.com

📞 (951) 454-0140

🌐 [steveforsyth](#) (LinkedIn)

🐙 [spforsyth](#) (Github)

Work CEO / Principal Consultant

iTraker, Inc.

May 2008 – Present

Corona, CA

Strategic technical consulting and high-level strategy for diverse clients.

- Serve as the principal technical lead for diverse clients, providing high-level strategy in application architecture and database development.
- Direct end-to-end development of custom applications and database systems tailored to specific business scaling needs.
- Clients include Cengage Learning, Zappos, Leapfrog and Harrahs Casino
- **More recent work**

- birdcart.com is a product aggregator linking product shopping carts with content creators such as figurine painting. Backend built in Spring Boot/Spring Data/JPA/Security. Aggregates data using Youtube API, Shopify GraphQL Storefront and Admin APIs, OpenAI API, Elasticsearch and PostgreSQL
- thecivicfix.com (coming soon) is a government solution aggregator built in React.js using Google Gemini. Runs in Google Cloud Run and Neon (PostgreSQL) provisioned by Terraform and deployed via GitHub Actions using Docker
- **Technologies used:** Java, Spring Boot/Spring Data/JPA/REST, Apache Camel, Apache Karaf, Apache Cassandra, Apache ActiveMQ, Apache Wicket, PostgreSQL, Oracle DB, MS Sql Server, Boomi, Elasticsearch, GIT, GitHub, GitHub Actions, Terraform, Docker, GCP, React.js, GraphQL, OpenAI API, Youtube API

Senior Software Engineer / Architect

Zeitview

Sep 2023 – Mar 2026

Remote

Development, architecture and mentoring in a fully remote, Java role working on a drone based renewables inspection platform.

- Orchestrated a company-wide initiative to architect the consolidation of multiple acquired platforms into a unified legacy system, modernizing UI and services while maintaining database integrity.
- Engineered a high-performance, two-way integration engine using Spring Boot, Hibernate, S3, PostgreSQL, and ActiveMQ to facilitate real-time inspection data flow.
- Optimized legacy code refactoring and parsing by leveraging GitHub Copilot, significantly accelerating development turnaround.
- Provided technical mentorship and architectural guidance in a fully remote environment to ensure scalable system design.
- Agile development practices with 2 week sprints, sprint reviews and retrospectives
- Restful services using OpenAPI/Swagger to facilitate rapid UI integrations
- **Technologies used:** Java, Spring Boot/Spring Data/REST, Hibernate, Apache Camel, Apache ActiveMQ, S3, PostgreSQL, Elasticsearch, GIT, GitHub, GitHub Actions, Terraform, Docker, Kubernetes, Argo CD, SonarCube, React.js, OpenAPI, Swagger, Graphana

Application Architect | Senior Developer

Cengage Learning

Aug 2014 – Jun 2023

Remote

Architecting online higher education applications and enterprise integrations.

- Spearheaded ESB initiatives using Apache Camel and Boomi to connect internal systems with Salesforce and SAP platforms, ensuring seamless data synchronization.
- Built a sophisticated SOA service layer featuring a multi-threaded course processor that allowed educators to customize content via real-time narrative edits.
- Designed an Apache Wicket-based application enabling developers to build custom queries against Cassandra and Elastic Search engines.
- Led an engineering team maintaining a legacy Spring-based Java backend supporting a high-traffic React student courseware UI.
- **Technologies used:** Java, Spring Boot, Apache Karaf, Apache Camel, Apache CXF, Apache Wicket, Hibernate, Apache Cassandra, Apache ActiveMQ, Elastic, Boomi, Oracle DB, MS Sql Server, Postgres, GIT

Senior Developer / Lead

Zappos

Oct 2009 – Aug 2014

Remote

Lead Developer for backend applications supporting sales and Amazon integrations.

- Developed a Spring MVC-based purchase order system to track comprehensive vendor purchasing and inventory management.
- Served as Designer/Architect for a Taxonomy project, utilizing jQuery and Camel-based REST APIs to create a high-interactivity Ajax single-page application.
- Worked on inventory management systems that synced data from Zappos to Amazon.
- **Technologies used:** Java, Spring Framework, Spring Security, Apache Camel, Apache Karaf, Hibernate, Oracle DB, MS Sql Server, JQuery, JQuery UI, HTML, CSS, GIT

Senior Developer

LeapFrog

Aug 2008 – May 2009

Remote

Develop and maintain LeapFrog's LearningPath application for families to view their child's learning progress.

- Developed and maintained web apps that were embedded into the LearningPath application.
- Used Apache Wicket, Spring, CXF and Flash to deliver a seamless experience between the handheld devices and Leapfrog services.
- **Technologies used:** Java, Apache Wicket, Spring Framework, CXF, Hibernate, Oracle DB, Flash SDK

Senior Developer

Harrahs Casino

May 2008 – Aug 2008

Remote

Developed a custom UI for Interwovens MediaBin media storage application.

- Developed a custom front-end for Interwoven's MediaBin application using their SOAP API.
- Integrated Active Directory using Spring Security (Acegi) within a Wicket/Spring/Hibernate stack.
- **Technologies used:** Java, Apache Wicket, Spring Framework, Hibernate, Acegi (now Spring Security), MS Sql Server, MS Active Directory

Software Engineer / Engineering Manager (Early Career)

Various Technology Companies & Clients

May 1996 – Apr 2008

Formative 12-year career span encompassing engineering management, enterprise database conversions, and full-stack software development across telecom, insurance, healthcare, and e-commerce domains.

- **Engineering Management & Data Migration:** Managed data conversion department at Envision Technology Solutions, orchestrating complex ETL migrations to SQL Server, Oracle, and Sybase back-ends.
- **Full-Stack & E-Commerce Development:** Built international e-commerce platforms (Tallan) using J2EE, JSP, Servlets, and Oracle PL/SQL stored procedures for high-volume transactions.
- **Government & Healthcare Applications:** Developed employee evaluation and complaint investigation systems for the County of Riverside (20,000+ employees) utilizing Spring MVC, Acegi (Spring Security), and Hibernate.
- **Companies included:** County of Riverside, WFI, Tallan, Envision Technology Solutions, Franklin Capital, Teltrust, Property Research Group
- **Technologies used:** Java/J2EE, Spring MVC, Tomcat, C#, Oracle PL/SQL, MS SQL Server, Sybase, PowerBuilder, FoxPro, Crystal Reports

Volunteer

FIRST Robotics Competition

Mentor

Aug 2013 – Present

Mentor middle to high school students

- Teach students how to design, build and program a 120lb robot in 10 weeks to compete in a competition.
- Instruct students on how to safely work with power/hand tools for wood and metal.

- Teach students how to program in Java using WPILib to move and manipulate game pieces
- Programming in Java using vision processing libraries to capture position and orientation on the field
- Teaching students how to use gyro/accelerometer to control swerve drive and automate movement using splines

Boy Scouts of America

Assistant Scout Master

Sep 2010 – May 2014

Education

University of Utah

Computer Science

Sep 1991 – May 1993

University of Texas San Antonio

Computer Science

Sep 1994 – May 1995

Skills

Java Libraries & Frameworks

Java Spring Boot Spring Security Spring Data Spring JPA Hibernate Apache Camel Apache ActiveMQ Apache Karaf Apache CXF Swagger/OpenAPI

Architecture & Leadership

Distributed Systems SOA Microservices Legacy Modernization Technical Direction Mentorship

Other Languages & Tools

Boomi C# PowerBuilder RESTful APIs Terraform Docker Kubernetes GitHub Actions GIT GCP AWS AWS S3 AWS RDS GraphQL Youtube API Shopify API

Data Systems

PostgreSQL MS SQL Server Oracle PL/SQL Apache Cassandra Elasticsearch Sybase MongoDB

Frontend/UI

React.js

Apache Wicket

jQuery

jQuery UI

Typescript

AIAssisted

Development

GitHub Copilot

Google Gemini

Google Antigravity 2

Claude Code

OpenAI API

Interests

Woodworking

Ski and Snowboarding