Peter Swartwout

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Solution Architect / Lead Developer available for challenging engineering opportunities.

Core Competencies

Full-stack web development

Backend: Kotlin+Spring, Java+Spring, Node.js, Python+FastAPI, Ruby on Rails
Frontend: Typescript, React, Vue, Redux, React Context, React Native, AngularJS
Databases: Postgres, MySql, SQL Server, Redis, MarkLogic

REST / GraphQL

Rapid API development on multiple projects to deliver RESTful or GraphQL web services, data persistence and legacy system integration.

Security / Single Sign-On

Multi project experience implementing authn/authz/SSO using Auth0 or Okta with Spring Security or Ruby on Rails. I have also hand-coded SAML 2.0 when appropriate.

DevOps

Hands-on experience in all aspects of build-and-deploy pipelines, including AWS services, Google Cloud, Docker, Terraform, Kubernetes.

Leadership / Management

Multi-project experience leading teams from start to finish on complex projects. Thought leadership on all aspects of software development. HR and people management experience for 3 years. **Communication** is my superpower. Check out some **samples of my writing**.

Employment History

Artisan Solutions LLC *2023-present*
Owner, Principal Consultant

Focused Labs *2021-2023*
Lead Software Consultant / Engineering Manager

Global Specimen Solutions, a Labcorp company *2017-2021*
Principal Software Engineer / Team Lead

Artisan Solutions LLC *2013-2017*
Owner, Principal Consultant

Summa Technologies *2009-2013*
Senior Technical Consultant

Project History - Artisan Solutions

Listed most recent first

Sheetz
Site Reliability Engineering

As a contractor with **Highline Solutions**, my team documented business processes, analyzed Splunk logs and source code to find reliability vulnerabilities, improve alerting strategies and make recommendations.

The architecture is Java micro services using REST and RabbitMQ integration, deployed with Docker & Kubernetes.

PODS Moving & Storage
Website modernization

As a contractor with **Focused Labs**, my team added new features and modernized existing features on the **PODS** website.

My role was front-end developer working in React & Typescript. Team was 5 devs and 1 designer.

The public website uses a legacy CMS platform which is gradually being migrated to React.js.

An automated kitchen
Robotic Visualization Software

This project created a touch-screen app for a kitchen robot fulfilling food orders. The app provides both visualization into the real-time robot state and a control panel for operators. As a contractor with **Robiti**, I coded new UI features, improved existing UI and gradually migrated global state to Pinia. The touchscreen UI was coded in Vue.js 3 with a C++ backend.

My role was front-end developer. The team was 3 devs and 1 designer.

The architecture is C++ on the backend, Vue.js on the frontend, web socket integration.

Project History - Focused Labs

Listed most recent first

Special Projects
AI Knowledge Hub

An internal project expanding our AI and ML skills while providing an AI chatbot for use on the company website. Try it out at the **Focused Labs** home page in the lower-right corner.

My roles were Python developer and React developer. Team was 3-5 with 2-4 devs and 1 designer.

The architecture is Python, FastAPI, LangChain and Llama index on the backend, React.js on the frontend, REST API integration.

Mobile white-label app

We implemented a prototype mobile app using React-native. The business domain was restaurant ordering and loyalty programs.

My roles were Kotlin / Spring boot developer and React-Native developer.

The architecture is Spring Boot / Kotlin on the backend, React-native / Expo Go on the frontend.

Ford Pro
Customer-facing Marketplace

Focused Labs helped **Ford Pro** build out their services marketplace for fleet (commercial) customers. Key outcomes are faster time to market, lower data input error rates, several microservices extracted from a monolith.

My roles were solution consultant, Java / Spring Boot developer and Vue.js developer. Team size was 5 devs, a product manager and a UI designer.

The architecture is Spring Boot and Java/Kotlin on the backend with SQL Server persistence. Vue.js on the frontend, REST API integration.

BTR Energy
Client Information Portal

We built a web application for use by **Bridge to Renewables**, enabling energy credits for electric vehicle manufacturers selling cars in California. Data delivery to the React FE is GraphQL. Includes several 3rd-party REST integrations, notably to the Electricity Maps API to retrieve live emissions data.

My roles were solution consultant, Kotlin / Spring boot developer, React developer. Team size was 2 devs and an engineering manager.

The architecture is Spring Boot backend, written in Kotlin with Postgres persistence. The frontend is React and Typescript. REST and GraphQL API integration.

Hertz
Ride-share integrations

We partnered with **Hertz** to help them expand their business into ride-share apps.This resulted in thousands of new rentals each year, including electric vehicle rentals never available before.

My roles were team lead, tech lead, solution consultant and Kotlin / Spring Boot developer. The team size was 4-6.

The architecture is Spring Boot backend, written in Kotlin with Postgres persistence. Many integrations to legacy systems. There is no frontend. This was an externally-facing REST API.

Project History - Labcorp

Global Specimen Solutions, a Labcorp company
GlobalCODE

GlobalCODE is a SaaS platform for use in translational medicine. Scientists use it to track and visualize specimens collected in clinical trials around the world.

My roles were team lead, tech lead, Ruby on Rails developer and AngularJS developer for a team of 5 developers and 2 QA testers. I was also HR manager for 2 of the developers.

Ruby on Rails serving REST to a hybrid Angular/Angular.js UI. Data visualization with AWS QuickSIght. Clients are securely hosted in the AWS cloud utilizing EC2, RDS, S3, ECS and Route 53.

Project History - Artisan Solutions (10+ years ago)

DQE Communications
Customer Control Center

Korn Ferry International
Content Authoring Solution

Fedex Ground
Automated Work Area Design

Project History - Summa Technologies (10+ years ago)

PNC Bank
Treasury Management Development Lead

BodyMedia
Writable Data API

University of Pittsburgh Medical Center
Integrating the Healthcare Enterprise Project

CIGNA
MailRx Mail-order Pharmacy

University of Pittsburgh School of Medicine
Online application modernization

University of Pittsburgh Medical Center
Statewide Immunization Information System

Education

Portland State University

Portland, OR

Major: Computer Science
Graduated: Bachelor of Science, Magna Cum Laude

Lane Community College

Eugene, OR

Major: Electronics Engineering Technician
Graduated: Associate of Science, Summa Cum Laude

Northwestern University

Evanston, IL

Major: Radio, Television, and Film
Attended two years