

Peter Swartwout

412-401-6615 · pswartwout@gmail.com · [LinkedIn](#)

Solution Architect / Lead Developer available for challenging engineering opportunities.

Core Competencies

Full-stack web development

Backend: Kotlin+Spring, Java+Spring, 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.

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

Artisan Solutions LLC *2013-2017*

Owner, Principal Consultant

Summa Technologies *2009-2013*

Senior Technical Consultant

Project History - Artisan Solutions

Jsmith.works

Robotic Visualization Software

This is a touch-screen app developed in Vue.js 3 with a C++ backend. I coded needed features as well as gradually migrating in global state with Pinia and Jest tests.

My role was front-end developer. The team was 3 devs and 1 designer. I was a sub-contractor through Jeremy Smith (jsmith.works LLC)

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

Project History - Focused Labs

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.

My role was Python developer, 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 role was Kotlin / Spring boot developer, React-Native developer.

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

Client 3

Customer-facing Marketplace

Focused Labs helped this client build out their fleet marketplace for commercial customers. Key outcomes are faster time to market, lower data input error rates, several microservices extracted from a monolith.

My role was solution consultant, Java / Spring Boot developer, 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 role was 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 role was tech lead, solution consultant, 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 role was tech lead 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

DQE Communications

Customer Control Center

My team helped DQE add an “agent” role for the Allegheny Intermediate Unit which enables the AIU to manage broadband services for area school districts.

Java / Spring Boot, JPA, MySql 5, prototype.js, jquery.js.

Korn Ferry International

Content Authoring Solution

React/Javascript. KF wanted a suite of cloud-based content authoring tools for their customers and employees. I built a content editor in React, hosted in AWS.

React.js, node.js, npm, MarkLogic 8. Deployed on Amazon EC2.

Fedex Ground

Automated Work Area Design

Interactive mapping application written in Java and Java Flex.

Java / Spring, Java Flex 4.x, ActionScript 3.x, PL/SQL, Deployed on WebLogic 12c.

Project History - Summa Technologies

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