

CARLTON SCHUYLER

Boulder, Colorado

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Software Engineer, Architect. Backend, Full Stack. Versatile: Design – Build – Deploy – Monitor – Maintain

Professional Profile

Collaborative, empathetic and achiever-oriented software engineer with over 20 years of experience in high-tech ranging from cloud native SaaS startups to Fortune 500 companies.

Thrives in fast-paced organizations, gaining energy from solving complex challenges. Recognized for building partnerships across organizational, cultural and global boundaries.

Calm under pressure, working methodically through prioritization to deliver fast turnaround for working prototypes and proofs of concept.

Enthusiastic about iterative development toward production architecture.

Adept at partnering with client teams to define APIs, often rolling up sleeves to build user stories and product experiences, eager to see success through the entire user journey.

Passionate about properly-typed languages, data and text processing, IR, NLP, semi-structured data, visualization, machine learning.

Recognized Strengths and Expertise

- Solutions-Oriented, Data-Driven Pragmatist
- Cross-Team Collaborator
- Empathetic, Clear Communicator
- Embracing of Change and Innovation
- Calm in Tough Situations
- Humble and Adaptable
- Strong Product Ownership
- Web apps, REST APIs, integrations
- Agile Methodologies
- Kotlin
- Java
- Python
- Javascript
- DevOps, tools, bash

Recent Professional Experience

VMware Pivotal Labs - Boulder, CO

2018 – Present

Pivotal acquired by VMware in 2019 for \$2.7B

\$11B company streamlining the journey for organizations to become digital businesses

Staff Solutions Architect

2020 – Present

Advisory Solutions Architect

2018 – 2019

- Enable internal groups seeking improvement of their existing architecture, tools, and process, in order to release working software faster. One example was development of a reference architecture and process for teams in an accelerator group within a large consultancy, to minimize the time from prototypes to production.
- Develop and maintain system that generates course materials aimed at serving the needs of clients, partners and students; full-stack development role, where stack is comprised of Kotlin, MySQL and S3 on the

backend, with a mix of ReactJS and Elm on the frontend, and deployment done into Pivotal Cloud Foundry (<https://run.pivotal.io>).

- Assisted an accelerator consultancy in Brazil by re-architecting a network hardware management systems to be deployed in the cloud.

ThoughtWorks | Apax Partners - Denver, CO

2017 – 2018

Acquired by Apax Partners in 2017 for an undisclosed amount

A global software consultancy

Lead Developer

- Wrote micro services in Kotlin and Java in mobile application stack for a large grocery retailer, ultimately transforming legacy code into a modern architecture consisting of Core and BFF services. Stack: Spring Boot, Cassandra, GitLab, Pivotal Cloud Foundry, ELK.
- Co-managed and developed on a DevOps project at a large financial services company, resulting in automating service account creation, permission-granting, and credential vaulting. Stack: Kubernetes, OpenShift, Linux, CyberArk, Java, Spring Boot, Python, and Ansible.

Rally Software | CA Technologies - Boulder, CO

2010 – 2017

CA acquired Rally in a \$480M cash deal in 2015

\$4B leader in the wholesale distribution of industrial and construction supplies

Senior Software Engineer

- Recruited to work on a large legacy Java application. Refactored for optimal use of ORM. Broke out micro services. Used distributed queues (Kafka) and caching (HazelCast) to add scalability to core product.
- Developed search service for a SaaS app with a complex domain model, leveraging micro services in Clojure, using Elasticsearch as a backend; Modeled search documents in a way to reflect structure of the domain model (Enterprise Agile Project Management) while maintaining quality results (precision and recall).
- Promoted to CA's Agile Business Unit, building SaaS tools to boost productivity of agile teams; worked directly on CA Agile Central, an Agile Lifecycle Management tool for software developers and other stakeholders, as a generalist developer.
- Served as engineer in additional functions such as DevOps, deployment, support, mentorship, innovation lobbying, and presenting to large groups.

eBay - subcontracted from ThoughtWorks - King of Prussia, PA

2009 – 2010

Leader in online commerce

Software Engineer

Built a new framework for in-store pickup functionality to a number of large retailer websites. Facilitated Agile practice adoption and leveraged Java, Spring, Struts, Hibernate, JUnit, and Maven.

ThoughtWorks - San Francisco, CA 2007 – 2009

A global software consultancy

Senior Consultant

- Contracted out to a large retail clothier, providing leadership oversight and execution of internal code quality dashboard suite, as a custom collection of visualizations of various code quality metrics (coverage, complexity, cohesion and coupling, and test status).
- Separated new code from legacy, and point-in-time and change-over-time views of statistics in order to provide insight into Continuous Improvement; built on Ruby on Rails with significant custom SQL and involving heavy customization of Continuous Improvement pipeline, using Maven and Ivy.

Previous Professional Experience

DeepData – Telecommute role 2007

Lead Developer. Address and entity correlation and cleansing.

Ask.com – Oakland, CA 2006

Senior Research Engineer. Information retrieval and maps application. Java and C++.

Aplicor – San José, Costa Rica and Boca Raton, FL 2005 – 2006

Office Lead and Developer. Java, full-stack web development.

Horizon 20 – San José, Costa Rica 2003 – 2005

Chief Software Architect, online betting. C#, full-stack web development.

Intel – San José, Costa Rica 2001 – 2003

Team Lead, ETL and dashboard software. C++ and .Net

CGI – Düsseldorf, Germany 1998 – 2000

Senior Developer. C++, Ilog Rules, Ilog Solver.

ERS – Northern Virginia 1996 – 1998,

Consultant, using Rule Based Systems. Java, Ilog Rules, CLIPS, OPS5. 2000 – 2001

TASC – Reston, VA 1993 – 1996

R&D Developer. C, Lex, Yacc, Visual Basic, Perl. Visualization, information extraction.

Education

M.S., Computer Science, Computational Linguistics, Ohio State University – Columbus, OH 1993

B.A., Mathematics and B.S., Computer Science (cum laude), Tufts University – Somerville, MA 1991

Study abroad, graduate-level mathematics at Budapest Technical University – Hungary 1991
(Budapest Semesters in Mathematics, through St. Olaf University)

High School with International Baccalaureate, International School of Brussels – Belgium 1987