

**Overview**

Senior technology player-coach responsible for mentoring software developers, guiding teams, and coding hands-on. Experienced across small-to-medium sized domestic, international, and start-up enterprises. Able to interface with infrastructure teams and manage outsourced relationships, contractors, and vendors. Strong communication and collaboration skills. Noted for innovative thinking and strategic problem solving from whiteboard to boardroom. Expertise in tech & e-commerce start-ups, healthcare, education and telco services.

**Assistant Professor of the Practice -- Boston College, Carroll School of Management (CSOM) (2023 – present)**  
*Business Analytics Department*

**Senior Engineer, Team Lead -- ClinOne (2023)**  
*ClinOne's software supports healthcare professionals and patients during clinical trials*

**Manager, Platform R&D -- Clario (2022 – 2023)**  
*Clario's software is used by the pharmaceuticals industry to help run clinical trials*

- Development Lead and interim Product Owner for Scrum team developing microservices for Clario's unified platform
- Represent teams in Agile Release Train ceremonies and planning meetings
- Coded synthetic HTTP Monitor (JavaScript) for Dynatrace monitoring of a microservice

**Assistant Professor of the Practice -- Boston College, Carroll School of Management (CSOM) (2015 – present)**  
*Highly regarded undergraduate business school*

- Full-time faculty contributing to both Business Analytics and Information Systems departments. Curriculum includes *Digital Technologies, Coding for Business, Systems Analysis and Design*
- Selected to conceive, develop, train and teach CSOM's newly required coding course in Python & SQL
- Co-recipient of research grant on "AI and Voice Recognition in Teaching"; led student team to design and code custom capabilities for Amazon Alexa using JavaScript and the Amazon Web Services (AWS) platform
- Appointee to the Provost's Academic Technology Advisory Board
- Consultant to BC's *City Connects* program in areas of agile development and software development processes

**VP Architecture -- Patient Route Systems (now HospitalIQ) (2013 – 2014)**  
*Start-up software enterprise with mission to improve patient outcomes through AI-supported operations management*

- Reported to CEO in ground-floor role defining and developing new flagship product
- Created production Python code using SimPy for discrete event simulation. Oversaw architecture and development of all server-side functionality.

**Chief Technology Officer & Co-Founder -- PowerWeek.com LLC (2012 – 2013)**  
*Team collaboration web app to help women in network marketing and direct sales achieve their goals via sharing their successes and intentions*

- Collaborated with co-founders on business model and all product design, marketing and customer acquisition plans
- Responsible for hands-on design, development and implementation of the application, including beta test and national launch
- Created majority of the product code (Python/Django hosted on Google App Engine)
- Co-managed design and development of the user experience; developed in HTML, JavaScript/jQuery, and CSS, and coordinated with UX and Graphic Arts agencies
- Enterprise failed to meet required demand and income stream milestones

**Vice President of Development – DynamicOps (2010 – 2012)**  
*(Acquired by VMWare) Software focused on the creation, deployment, and management of automated private cloud infrastructures*

- Member of executive team and bridge to sales teams and offshore vendors
- Built and led team of 30+ Development and QA engineers both direct and indirect
- Collaborated with Dell Computer VPs across OEM relationship and oversaw monthly code releases
- Led the design, development, and delivery of three major product releases and three service packs in twelve months

**Vice President of Research & Development -- Airwide Solutions** (2009 – 2010)

*(Acquired by Mavenir) International developer of software products for text messaging and related telco services*

- Reported directly to CEO and led 100+ staff and contractors in Canada, Finland, UK, Russia, and India; hired Regional Directors in Montreal and Finland
- Managed development of 10+ products requiring rapid development, testing, and rollout of custom features
- Automated and rationalized reporting of key R&D metrics for corporate Balanced Scorecard
- Drove improvements in processes for custom development, effort projection, and project tracking
- Introduced Agile development methods and a formal code review process

**Co-founder & Consultant -- Sympraxis Consulting LLC** (2008 – 2016)

*Developer of software solutions that support knowledge sharing and collaboration within enterprises, with a focus on SharePoint implementation*

- Developed several SharePoint intranet and extranet solutions using C#/.NET, JavaScript/jQuery, Angular
- Designed features for Salesforce.com products sold on AppExchange, and facilitated customer deployments

**Senior Analyst -- Forrester Research** (2007 – 2008)

*Publisher of research and analysis on the technology industry*

- Published on issues relevant to Application Development Management: problems that send development projects off track (#1 report for July 2007), project rescue, team collaboration & productivity, estimating, and requirements management
- Consulted to senior technology executives on product positioning and managing the application development process
- Gave interviews and led webinars for leading trade publications including Redmond Developer News and CM Crossroads
- Presented *Putting Projects Back On Track* at 2007 Forrester's Senior Technology Leadership Forum

**CTO & Chief Security Officer – Curaspan** (2002 – 2007)

*(Acquired by Cardinal Health) Start-up SaaS (Software as a Service) provider in the discharge planning sector of healthcare*

- Managed operations for technical infrastructure, all enterprise applications, and HIPAA compliance
- Led all Product Engineering, IT/Systems Administration, Customer Service, and Client Implementation support teams
- Designed and coded (Java, ColdFusion) products upon which key sales were contingent
- Led company through successful ISO17799 security audit and achieved annual savings of over \$100,000 by implementing SOA-based connectivity to FAX vendor

**VP Product Development -- Cering Corporation** (2000 – 2001)

*(KPMG spin-off) Team collaboration product built on .NET using XML and SOAP web services*

- Built the Engineering Department and managed all aspects of product development life cycle
- Recruited architects, managers, and developers, including procurement of India-based offshore resources
- Face of company's technology to investors conducting due diligence -- company secured \$45.0M in funding commitments
- KPMG elected not to proceed with the spin-off

**Vice President of Engineering -- Ars Digita/iAggregate** (2000)

*(Ars Digita acquired iAggregate) Developer of Internet collaborative commerce applications*

- Built and led engineering for iAggregate, a venture-backed startup creating Java-based software components for Internet Data Aggregation
- Developed architecture and engineering plan in support of securing venture funding
- Managed ArsDigita's Solution Delivery team of 150+ programmers and project leaders (generating \$30M annual revenue)

**Director of Knowledge Sharing – KPMG** (1999 – 2000)

*Global services company with specialties in tax, audit, and business process management*

- Led project teams to develop knowledge repository and Content Management System, *KWorld*, for worldwide use on KPMG's intranet. This contributed to the formation of the Cering spin-off company.

**Director Web Application Development -- Allaire Corporation** (1998 – 1999)

*Allaire (an Adobe company), created the ColdFusion web application server that powers hundreds of thousands of websites*

- Responsible for development of strategic web applications to leverage and showcase Allaire’s technology
- Promoted to IT Director and led a team of 18 software engineers and IT specialists
- Responsible for all business systems including General Ledger, Order Management, Customer Contact, and Desktop Support
- Managed technical integration (web content/online store/financial data) of two major corporate acquisitions

**Managing Consultant -- Renaissance Worldwide** (1995 – 1998)  
**Senior Consultant – JYACC** (1992 – 1995)  
**Software Engineer, Director of Unix Workstations, Director of ATA Business Unit – Interleaf** (1988 – 1992)  
**Vice President Strategic Foundations -- Cambridge Technology Group** (1985 – 1988)

## E D U C A T I O N

**Massachusetts Institute Of Technology** (1980 – 1985)  
 MS and BS in Computer Science and Engineering; Humanities Concentration in French  
 MS thesis at Artificial Intelligence Laboratory

## T E C H N O L O G I E S

**Process:** Agile/Scrum

**Frontend:** JavaScript, HTML, CSS, React.js, Typescript, Angular

**Backend:** Python, Node.js, Express.js, SQL, MySQL, Oracle, Django, MongoDB, Shell scripting, C#/.NET, PERL, PHP

**Office & Productivity:** Excel (including VBA), Word, PowerPoint, SharePoint, MS Project, Google Docs, Slack, Access

**Dev Tools:** Jira, Polarion, Confluence, Pivotal Tracker, Git/Gitcloud, Bitbucket, PyCharm; familiar with DevOps pipeline tools and scripting

**Platform & OS:** Unix/Linux, Windows/DOS, Google App Engine, Google Compute Engine, AWS, Salesforce

## R E S E A R C H , B L O G & C O D I N G

Sterpe, Peter with Carey Schwaber, Jacqueline Stone, “Ten Mistakes That Send Development Projects Off Track.” Forrester Research. <https://www.forrester.com/Ten+Mistakes+That+Send+Development+Projects+Off+Track/fulltext/-/E-res42696> (June 2007).

Sterpe, Peter with Carey Schwaber, Jacqueline Stone, David D’Silva, “Rescuing Train Wrecks: Putting Derailed Software Projects Back On Track.” Forrester Research. <https://www.forrester.com/Rescuing+Train+Wrecks+Putting+Derailed+Software+Projects+Back+On+Track/fulltext/-/E-res43202> (August 2007).

Sterpe, Peter with Carey Schwaber, Mike Gilpin, Alex Cullen, Kahini Ranade, “App Dev Managers Should Measure Team Productivity.” Forrester Research. <https://www.forrester.com/App+Dev+Managers+Should+Measure+Team+Productivity/fulltext/-/E-res43201> (December 2007).

Schwaber, Carey with Peter Sterpe, Marc Cecere, Mike Gilpin, David D’Silva, “Best Practices: Estimating Development Projects.” Forrester Research. <https://www.forrester.com/Best+Practices+Estimating+Development+Projects/fulltext/-/E-res43200> (April 2008).

**Selected blog posts:**

“[Thoughts on an Active Community of Practice Engine.](#)” (July 2009)

“[Don’t Mine Knowledge, Cultivate It.](#)” (July 2009)

“Adventures in SharePoint Forms-Based Authentication.” Four-part series. (March 2009) [Part 1](#), [Part 2](#), [Part 3](#), [Part 4](#)

**Github Repositories:**

CalendarDance <https://github.com/psterpe/CalendarDanceWIP>. Work in progress on both the backend (NodeJS with Typescript) and the user interface (ReactJS) of an application that can read your Internet calendars (with your permission), know when you are free, and help set up meetings between you and others.

- Canvas Grader <https://github.com/psterpe/CanvasGrader>. Google Apps Script code behind a Google Sheets file that acts as a (simple) frontend to Canvas (the LMS from Instructure).
- Python Grader <https://github.com/psterpe/PythonGrader>. Do you teach programming with the Python language? This code will help you grade coding assignments. It will grade for correctness, that is, whether a student's code does what you asked for.
- Semester Planner This app lets an instructor plan a semester (or term or trimester) by dragging and dropping assignment and topic ideas around a calendar grid. It contains a simple backend server (Flask-based) that stores your plans in Google Cloud NDB.
- VBA Room Scheduler Simple (not real) conference room reservation backend for Excel VBA frontend. These are the bones of a Python/Flask application that manages a simple database of conference rooms. The app responds to a few routes, e.g., to list the rooms, and to reserve a room for a certain block of hours.