Casey P. Lee

cplee@cplee.org   (888) 452-7533

SENIOR SOFTWARE ENGINEER

Highly motivated, results-driven professional with over **18 years** of visible achievements in leading-edge **information technologies**. Possess a unique blend of superior technical skills and understanding of business. Natural leader with strong entrepreneurial spirit and a special talent for transitioning **strategy** into **action** and achievement. Proven ability to lead multiple projects from **conception** through **implementation**, establishing and monitoring goals and budgets to achieve on-time delivery of services. Commitment to teamwork is demonstrated by the ability **to motivate others** to perform at their best. Reliable and customer-focused with superior **problem solving skills**.

Career Highlights & Selected Achievements

Enterprise Architect, *VSP Global*   2013-present

Selected to serve as enterprise architect for VSP Global providing direction across all lines of business for infrastructure, data, application and business architecture. Challenges included research and development of new technologies; development of a modernization roadmap for the enterprise; evangelizing technologies to 500+ developers; aligning business strategy with IT strategy.

Accomplishments:
- Led the migration of architecture for the organization from SOAP services on WebSphere running on AIX to **REST APIs** on **JBoss** and **Tomcat** running on Linux saving hundreds of thousands of dollars in license costs
- Implemented **DevOps** tooling and processes for the organization including automation with **Chef** and virtualization on both **AWS** and **VMware** to provide developers with **self service** capabilities to provision machines in minutes rather than days
- Championed the acquisition and implementation of the **Axway API Gateway** to engage in the **API Economy**
- Architect security around the APIs and websites using industry standards such as **OAuth 2.0** and **OpenID Connect**
- Established an **Open Source Software** contribution program to encourage developers to engage and contribute back to the open source community
- Initiated research and development efforts around **Spring Boot** and **Docker** including proof of concepts and adoption roadmaps
- **Educated** and **supported** the development teams on the adoption of the new technologies being introduced

Skills:
- Service Development - Java, REST, JSON, JAX-RS, Apache Camel, Apache CXF
- Security - OAuth 2.0, OpenID Connect, JOSE (JWT/JWS/JWK/JWA)
- Web Development - Spring MVC, AngularJS, jQuery
- Dev Tools - Eclipse, Git, Maven, Gradle
- DevOps - Chef, Docker, Berkshelf, AWS, VMware
- System Administration - JBoss 7.1, Tomcat 7, RHEL 6.5

Senior Application Developer, *Vision Service Plan*   2005-2013

Selected to serve as a technical specialist on the design, architecture, and development of software systems. Challenges included analyzing and researching customer user stories and turning them into business changing applications; communicating project goals, plans, and status to supervisors and peers; and hiring, evaluating, training, and supervising the technology team.

Accomplishments:
- Led team of engineers to design, develop and support a web-based **CRM** system for use by the 500+ customer service representatives to replace 20+ year old legacy mainframe applications and handle over 20,000 live phone calls per day.

- Was one of small group of architects that laid the foundations of a **SOA** at the organization and developed a large number of services.
- Led the research and acquisition of a **Case Management** and **BPM** system for the support of the workflows between our Claims, Customer Service, Fraud and Provider Relations groups. The implementation of the new system realized a savings to the business area of over **$600,000 annually**.
- Championed the adoption of the **Scrum** methodology on our project team and evangelizing **agile** practices to the rest of IT such as **TDD**, **Continuous Integration** via Jenkins, short sprints of less than 2 weeks, story points and team collocation.
- Received a Platinum Award (given to one employee annually) for implementing an OSGi framework in our SOA enabling local service bindings with performance improvements that allowed for a savings of 10+ seconds per phone call realizing a savings to the company of over **$800,000 annually**.

Skills:
- Service Development - JEE6 (JAX-WS, JAX-RS, JPA, EJB, JMS), OSGi, DB2
- Web Development - JSF, JSP, Spring, JAX-RS, HTML5, Javascript, Ajax, CSS, Dojo
- Tools - Eclipse, Git, Maven, Ant, CVS,
- System Administration - WebSphere 8.0, AIX 6, SLES11

Senior Software Engineer, *O1 Communications*   2003-2005
Selected to serve as a technical specialist on the design, architecture, and development of software systems and software products. Challenges included analyzing, evaluating, and installing **telecommunication systems** and equipment; developing detailed program specifications; communicating project goals, plans, and status to supervisors and peers; and hiring, evaluating, training, and supervising the technology team.

Accomplishments:
- Led team of engineers to design, develop and support a **softswitch** providing **SIP** (RFC 3261-3265) to **ISUP** (ANSI T1.113) gateway service to a statewide VoIP network written in **C**. Supported **TCAP** (ANSI T1.114) and **ENUM** (RFC 3761) for IN infrastructure.
- Led team of engineers to design, develop and support a **RADIUS** (RFC 2865-2866) application capable of handling more than 10 million calls per day.
- Instrumental in the design and implementation of a data driven **MVC** (Model View Controller) architecture for company core software application utilizing proven patterns and best practices.

Skills:
- Software Devleopment - C/C++, Java, XML, Perl
- Web Development - JSP, HTML, Javascript, Ajax, CSS
- Telecommunications - PRI (Q.931), SS7 (MTP, TCAP, ISUP), SIP, H.323, IPDC, ENUM
- Vendor APIs - Excel SwitchKit, Ulticom Signalware, Brooktrout TDAPIService Development
- System Administration - SIP Servers (Asterisk, SER), Apache HTTPD, MySQL, Linux (RedHat, Debian)
- Tools - Subversion, CVS, gcc, Makefile, autotools, RPM packaging, Ant

Senior Software Engineer, *Project Arena*   2001-2003
Selected to serve as a technical specialist on the design, architecture, development and maintenance of software systems and software projects. Challenges included analyzing, evaluating, and installing **information technology systems** and equipment; developing detailed program specifications; communicating project goals, plans, and status to supervisors and peers; and hiring, evaluating, training, and supervising the technology team.

Accomplishments:
- Led team of engineers to develop and support core software using the eXtreme Programming methodology for a **Project Portfolio Management** software application.
- Designed and developed an **EAI** (Enterprise Application Integration) platform called Link Arena based around abstract adapters communicating via XML transactions through a **JMS** Queue allowing real time many to many data interfacing.
- Instrumental in the design and implementation of a data driven **MVC** (Model View Controller) architecture for company core software application utilizing proven patterns and best practices such as **JSP**, **Tiles**, **Struts**, and **EJB** .

Skills:
- Web Development - JSP, Struts, Tiles, EJB, JDBC
- Tools - Visual SlickEdit, Ant, CVS,
- System Administration - Tomcat, iPlanet

Senior Software Engineer, *eWindowshop.com* 2000-2001

Recruited to manage the design and implementation of all application services and information technology systems for this provider of eCommerce services.

- Lead team of 11 engineers and developed core software in under four months and on budget using the eXtreme Programming methodology for an **e-commerce** application.
- Lead the development of all Information Systems for the purpose of Customer Relationship Management, accounts receivables, lead tracking, human resource management, marketing and finance reporting, and trouble ticketing.

Vice President of Technology, *The Grid* 1996-1999

Orchestrated the start-up of an Internet Service Provider; eventually sold to OneMain.com. Key responsibilities included developing and managing all **network systems** and **information systems**; and managing a team of engineers.

- Developed core intranet providing a web-based CRM, accounts receivables, lead tracking, human resource management, marketing and finance reporting, and trouble ticketing to the company.
- Designed, implemented and managed a complex statewide DS3 network with multiple BGP peers, digital modem pool of over 5000 modems and server clusters of web, email, and DNS utilizing Sun servers, Cisco routers, switches, and firewalls.
- Instrumental in planning the integration of the 20 acquired ISPs and 750,000 dial-up subscribers into a single network infrastructure yielding an aggregate cost of access revenue at 28% of total revenues.