**DAYEL OSTRACO**

Charleston, SC 29492

843.480.1983 - [dayel.ostraco@gmail.com](mailto:dayel.ostraco@gmail.com?subject=Hi%20Dayel!)

<http://dayelostra.co/> | [@DayelOstraco](http://twitter.com/dayelostraco) | [LinkedIn](http://www.linkedin.com/in/dayelostraco/) | [Stack Overflow](http://stackoverflow.com/users/1978931/dayel-ostraco) | [GitHub](http://github.com/dayelostraco)

|  |
| --- |
| **PROGRAMMING EXPERIENCE** |

**Languages:** Java, Swift, Scala, Objective C, Node.js  
  
**Frameworks/Platforms:** Play Framework, J2EE, Akka, iOS, Android, Hadoop, Spring, Spring Integration, Feedback.io, Yeoman, Java Messaging Services, REST, Hibernate, Angular.js  
  
**Technologies:** MYSQL/MariaDB, Oracle 10/11/12, Neo4j, MongoDB, Docker, Kubernetes, Rethink DB, Cassandra, Hadoop/Hive, Reddis, RabbitMQ, Terraform.io  
  
**Platform as a Service (PaaS):** Amazon AWS, Heroku, Google Apps Engine

|  |
| --- |
| **EDUCATION** |

**Purchase College, SUNY**, Purchase, NY

B.A. in Computer Science

B.A. in Mathematics

|  |
| --- |
| **SECURITY CLEARANCE** |

* **Active** DOD Secret Clearance
* **Active** VA Secret Clearance

|  |
| --- |
| **PROFESSIONAL EXPERIENCE AND ACHIEVEMENTS** |

**Chief Engineer, CACI International Inc.,** Charleston, SC

March 2016 - Present

* Leading a 15-person Engineering team to develop a Big Data medical information platform for the Defense Health Agency, Veterans Affairs, US Army, US Navy, US Marine Corps and US Air Force built on Hadoop/Hive, Oracle RAC, Neo4j, SQL Server, and S3.
* Developing 50+ service interfaces to ingest terabytes worth of HL7, CSV, FHIR and OMAP based patient data every day.
* Architected a componentized microservice economy of individually scalable transformation services using SpringBoot, Spring Integration and Orika deployed to AWS GovCloud and internal .mil datacenters via Docker and Kubernetes.
* Developed prototypes of common Machine Learning algos like Linear/Logistic regression and nearest neighbors within Hive using combined query languages built on Presto and Apache Spark.
* Developed iOS and Android medical applications for Medical Providers and Veterans.
* Implemented 3Scale API Management to expose and protect internal APIs to meet the Department of Defense’s Risk Management Framework accreditation standards.
* Implemented “Definition of Done” standards containing auto-generated Code Documentation via JavaDocs, auto-generated Live API Documentation via Swagger, SonarQube code health reports at build time, and Docker containerized application builds.

**Founder / Chief Technology Officer, Qonceptual, Inc.,** Charleston, SC

June 2014 – December 2016

* Grew Qonceptual from a one person 200k/year company to an 18 developer 2.5mm/year firm servicing large scale Commercial and Federal clients culminating in an acquisition an Atlanta based software services company.
* Recruited, lead and mentored Qonceptual’s Engineering division.
* Lead all Professional Sales engagements from initial contact to contract close.
* Developed a microservice-based infrastructure foundation of scalable and reusable APIs to speed up development efforts, decrease service update frequencies, and increase profit margins.
* Re-engineered our entire infrastructure to use Docker, Kubernetes and Terraform.io to minimize our maintenance efforts, increase service uptimes, and increase support service contact profits (83%+).

**Director of Mobile Development, Starwood Hotels & Resorts Worldwide Inc.,** Stamford, CT

July 2013 – June 2014

* Technical Lead for SPG on iOS and Android.
* Technical Lead for all Starwood Mobile R&D efforts.
* Worked directly with Google, Apple and Estimote Engineers to develop leading edge app features for the SPG platform.
* Lead Developer on Mobile Check-in that enables users to automatically check into a hotel and unlock their hotel room door with their iOS and Android devices.
* Developed SPG for Google Glass and the Pebble Smartwatch.
* Implemented and managed Starwood apps and services in the cloud using Amazon Web Services.

**Director of Software Engineering/Mobile Evangelist, SPARC,** Charleston, SC

February 2011 – July 2013

* Senior Technical Lead of SPARC Mobile, SPARC Skunk Works and SPARC Commercial managing 75+ engineers.
* Created a Mobile Development specialty from the ground up within the organization.
* Develop rich featured Android and iOS applications using Native and Mobile Web frameworks built on top of horizontally scalable technologies like MongoDB and Amazon Web Services.
* Evangelize Mobile Development within Private and Government industries by seeking out and fostering relationships with clients and organizations to advance Mobile business opportunities.
* Tactical Lead for three Scrum Development teams on the VA’s Veteran’s Medical Benefits System (VBMS), a large scale, 30-team Federal project.
* Sought out Strategic Partnerships and Teaming Agreements with other companies to compete for large-scale mobile development projects.

**Engineer Scientist V, Modulant**, Charleston, SC

December 2009 – February 2011

* Lead Developer of a team responsible for engineering large-scale web-based applications for the U.S. Navy and the Department of Defense in support of the Joint Warfighter built on Java/J2EE/Spring.
* Operated in a Technical Leadership role supporting applications, estimating project costs, scheduling/assigning development tasks, acting as a liaison to stakeholders and directing engineering support throughout the project lifecycle.
* Lead Developer/Architect of a five-person team to build a high profile, web-based project tracking system for the entire SPAWAR command from inception to delivery.
* Headed the development of an application responsible for tasking all Space and Naval Warfare Systems contracts through the complex U.S. Navy financial process.
* Lead a developer-driven initiative to implement a Service Orientated Architecture (SOA) within our Competency by leveraging REST, SOAP Java Messaging Services to increase program interops.

|  |
| --- |
| **PORTFOLIO** |

Please visit <http://dayelostra.co/> for a full listing of my current/former clients, developed apps and press clippings

|  |  |
| --- | --- |
| **SPG**  [**www.spg.com**](http://www.spg.com)  iOS, Android, Google Glass, Pebble Smartwatch, Apple Watch, Spring 4.x API | **CROWDFLIK**  [**www.crowdflik.com**](http://www.crowdflik.com)  iOS, Android, Play Framework/Scala API, Play Framework Video Encoding API |
| **ZUBIE**  [**www.zubie.co**](http://www.zubie.co)  iOS, Android, Node.js API, Google Apps Engine, Google BigTable | **RISKBAND**  [**www.riskband.com**](http://www.riskband.com)  iOS, Android, SpringBoot API, Python Firmware, Angular.js Admin Console |
| **PINSCOUT**  [**www.pinscout.com**](http://www.pinscout.com)  iOS, Android, Node.js API, SpringBoot Notifications API | **MY MEDWISE ADVISOR**  [**www.tabularasahealthcare.com**](http://www.tabularasahealthcare.com)  iOS, Android, SpringBoot API |
| **SMARTRAC DLOC**  **In Review**  Android, SpringBoot API, Blockchain API | **ZIP TEXT**  [**www.zip-text.com**](http://www.zip-text.com)  iOS, Android, Serverless API, Amazon Lamdas |
| **SMARTVISION SVONE**  [www.smartvisionlabs.com](http://www.smartvisionlabs.com)  iOS, Android, Play Framework API, OpenCV Training Scripts | **KEYWATCH**  **Classified**  iOS, Android, SpringBoot API, Ruby API, Amazon Lamdas, Twilio Service Callbacks |
| **QUIT BUDDY**  **[Google Play](https://play.google.com/store/apps/details?id=com.musc.quitbuddy)**  Android, SpringBoot API, Amazon Lamdas | **EZ WAVES**  [**www.ezwaves.com**](http://www.ezwaves.com)Android, iOS, Play Framework Java API, Angular.js Consumer Application, Angular.js Admin Application |

|  |
| --- |
| **PROFESSIONAL ORGANIZATIONS** |

**Charleston Open Source Advisory Board**

Advisor

**Trident Technical College Computer Science Advisory Committee**

Advisor

**The Iron Yard Advisory Committee**

Advisor