

DAYEL OSTRACO

Charleston, SC 29492

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<http://dayelostra.co/> | [@DayelOstraco](#) | [LinkedIn](#) | [Stack Overflow](#) | [GitHub](#)

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, Redis, 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, Qconceptual, Inc., Charleston, SC

June 2014 – December 2016

- Grew Qconceptual 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 Qconceptual'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

iOS, Android, Google Glass, Pebble Smartwatch, Apple Watch, Spring 4.x API

CROWDFLIK

www.crowdflik.com

iOS, Android, Play Framework/Scala API, Play Framework Video Encoding API

ZUBIE

www.zubie.co

iOS, Android, Node.js API, Google Apps Engine, Google BigTable

RISKBAND

www.riskband.com

iOS, Android, SpringBoot API, Python Firmware, Angular.js Admin Console

PINSCOUT

www.pinscout.com

iOS, Android, Node.js API, SpringBoot Notifications API

MY MEDWISE ADVISOR

www.tabularasahealthcare.com

iOS, Android, SpringBoot API

SMARTRAC DLOC

In Review

Android, SpringBoot API, Blockchain API

ZIP TEXT

www.zip-text.com

iOS, Android, Serverless API, Amazon Lamdas

SMARTVISION SVONE

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.dayelostra.quitbuddy)

Android, SpringBoot API, Amazon Lamdas

EZ WAVES

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