

DAYEL OSTRACO

Charleston, SC 29492

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

PROGRAMMING EXPERIENCE

Languages: Java, Swift, Scala, Go, Node.js, Objective C

Frameworks/Platforms: Spring / Spring Boot, Hyperledger, Ethereum, Node.js, iOS, Android, Angular.js, JPA via Hibernate / Spring Data, J2EE

Technologies: MySQL/MariaDB, Oracle, MongoDB, Cassandra, Docker, Kubernetes, OpenShift, Hadoop, Redis, RabbitMQ, Ansible, Terraform.io

Platform as a Service (PaaS): Amazon AWS and GovCloud, OpenShift, Google Apps Engine

EDUCATION

Purchase College, SUNY, Purchase, NY

B.A. in Computer Science

B.A. in Mathematics

SECURITY CLEARANCE

- **Active DOD Secret Clearance**

PROFESSIONAL EXPERIENCE AND ACHIEVEMENTS

Chief Engineer, Catapult.io, Singapore (<https://catpultio.com>)

July 2016 - Present

- Chief Engineer of a Singapore based software development company focused on building scalable APIs that can leverage global, private, and hybrid Distributed Ledgers within highly secured banking and military environments. Our clients included Swisscom, Novartis, Glencore, essDocs, Philippines Land Registration Authority, Ivory Coast Government, and Northern Ireland Border Customs in anticipation of Brexit.
- Built a Distributed Ledger based document verification platform, Linxens dLoc, which immutably linked physical documents via NFC tags to their digital representations. The entire platform consisted of several microservice APIs, distributed ledger providers, and iOS/Android apps deployed within Banking and Government infrastructures.
- Developed the mSTAX platform for the Defense Health Agency that provided out-of-the-box API Microservices, iOS/Android SDKs, and Blockchain APIs that met FIPS 140-2 accreditations and Department of Defense's Risk Management Framework authorizations.
- Deployed an extensible Infrastructure as Code (IAC) managed Kubernetes implementation using Ansible and OpenShift that automatically instantiated and managed entire AWS VPC environments tethered to offsite private data centers.
- Designed, developed, and managed an abstracted APIs and SDKs that allows developers to implement asset lifecycles (created, assigned, modified, expired) using Hyperledger, Bitcoin, NEM, Tron, and Factom based audit trails into document repositories like SharePoint, Salesforce and Google Drive.

Chief Engineer, CACI International Inc., Charleston, SC

March 2016 - June 2017

- 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.

Founder / Chief Technology Officer, Qconceptual, Inc., Charleston, SC

June 2014 - December 2016

- Grew Qconceptual from a one person 200k/year company to an 15 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.