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SKILLS

Spring Boot, Docker, Android/AOSP,
Swarm/Kubernetes, Flutter

Jetty, Tomcat, WebLogic, WebSphere,
Jboss, Netty

Java SE/EE, Groovy,
JavaScript/TypeScript, C/C++, ANSI
SQL, Dart, Rust

Microsoft Azure, Amazon Web Services,
GCP/Firebase

Linux (Ubuntu, Alpine, UEK, Fedora
Redhat) OSX, Windows

Terraform, Git, Bitbucket, Github,
Gradle, Maven, Jenkins, Pipelines

AWS/Azure: EC2,ECS,ECR,
Lambda,DynamoDB,S3, IAM, VPC,
SNS, SQS, ApiGateway, RDS

MQTT, MongoDB, PostgresDB,
MariaDB, OracleDB, Redis CRDB,
CosmosDB, Application Gateway,
ApacheMQ, Lucene, Solr

SpockFramework, JUnit 5

Agile, Scrum, Jira, Basecamp, Trello

CERTIFICATIONS

AWS Solutions Architect Professional

Spring Certified Professional

Oracle Certified Specialist OC0912110

Java 2 Platform 1.4 (310-035)

Sun Certified Web Component
Developer for the Java EE platform

Oracle WebCenter Portal 11g Certified
Implementation Specialist

EDUCATION

University of Irvine, Continuing
Education Program in Java EE, 2002

DeVry University, Long Beach, BS in
CIS (Graduated Summa cum Laude),
GPA 4.0/4.0, 2000

David Parry

Experienced software developer with expertise in various platforms and frameworks. Adept at delivering projects on time and within scope, without increasing technical debt. A proven track record of building collaborative, respectful teams of highly skilled contributors to deliver quality software products.

EXPERIENCE

Lexipol Inc, Frisco TX — *Director Software Architect*

JUNE 2020 - PRESENT

Was hired by the CTO to address significant setbacks in the rewrite of the company's flagship product and to unify acquired products and teams. After conducting a thorough analysis of the products' architecture, designs, and implementation, delivered technical assessments and recommendations that convinced the executive team and board of directors to adopt a new approach.

Using a collaborative and hands-on approach, led the implementation of the comprehensive plan, establishing an engineering team and best practices to ensure the delivery of high-quality products to our customers. The technologies used from AWS: EC2, S3, ECS, ECR, RDS, Lambda, VPC, IAM, DynamoDB, SNS, SQS, Step Functions, CloudFormation, CloudWatch, APIGateway, Route53, Terraform.

USAA, Frisco TX — *Lead Software Developer*

JANUARY 2020 - JUN 2020

Was brought on board to fill the technical leadership gap on the team. Established best practices and governance for the team and created a collaborative and learning environment where we could work together to develop a design that met the non-functional requirements that the legacy application was unable to fulfill.

Together with the team, identified the dependencies between microservices that needed to be delivered and worked to establish a collaborative environment between the teams. This allowed us to achieve an agreed-upon interface contract between the services with an internal service level agreement (SLA).

First Aware Inc, Frisco TX — *Chief Software Architect*

MARCH 2019 - OCTOBER 2019

Spearheaded the implementation and design of the Safe Building Automation Platform as a Service (PaaS) using a Microservices Architecture, which was optimized for Microsoft Azure. The adaptable architecture enabled the platform to ingest events from various endpoints, including Web Resources, MQTT, Message Brokers, and CoAP. Additionally, developed an Inference Engine, which evaluated common object messages against a set of rules authored by a system user, and depending on the outcome, broadcast, and routed notifications through a Notification Service. Also implemented Machine Learning algorithms to evaluate messages based on predictive models and taught the model based on user confirmations of an event.

Also led the prototyping and development of the Smart Exit Sign Smart IoT Device using a Raspberry Pi with Pi4J library and GPIO pinouts on a breadboard. We collected all the sensor data and packaged it in an industry-standard for delivery over a limited bandwidth network. The technologies used from Azure: AD, RBAC, Disk Storage, Cosmos DB, ARM, Notification Hubs, Queue Storage, Blob Storage, SQL Database, VMs, VNet, Event Hubs, Synapse Analytics, Functions.

PUBLICATIONS

"Pilot Study of Educational Gaming to Improve Adherence to an ETCO2 Monitoring Protocol," The Journal of Continuing Education in Nursing, January 30, 2018 (JCEN-2017-079R3)

SPEAKING ENGAGEMENTS

"A Night with Java! Springboot-Native in 10 min", Dallas Software Developers, February 7, 2023

"Getting Groovy with Spock", Java Metroplex Users Group, February 12, 2020

"JRedisearch Workshop", Java Developers Dallas, January 15, 2019

"JRedisearch Workshop", Java Metroplex Users Group, December 12, 2018

Mutualink, Allen TX — *Principal Software Engineer*

SEPTEMBER 2015 - FEBRUARY 2019

¶led the development of the Client Commons Component for Java Platform Applications. To ensure the success of the project, ¶mented team members through pair programming, lunch and learns, and design reviews.

The component abstracted all business logic and core functionality into a reusable jar, which was integrated into three specific Java platforms: Android, JavaFX, and Spring Boot Microservice. The library allowed for a rapid redesign across the three products, resulting in higher corporate profits and meeting the strict government policies on security and usability, securing positions in the FirstNet Application Store for first responders.

¶also provided a design for a Microservices Architecture that wrapped the company's Core Edge Application and deployed it to the cloud as a platform. This provided the ability for the company to sell legacy application functionality as a service, creating sales avenues through third-party sales and integrations. Additionally, the API¶was offered in the AT&T hackathons, resulting in the creation of the winner of the AT&T First Responders prize.

OleMedia, Plano TX — *Principal Lead Android Engineer*

SEPTEMBER 2014 - JULY 2015

Designed the implementation of the mobile tv platform built on top of the Android Open Source Platform.

Discovered the lack of a communication channel with the clients and server to allow for push communication, designed a cross client compatible server implementation.

Provided integrations for SSO with Facebook, Google and payment processing services for the web client.

Modified the Telergy set top box chipset for the Android Open Source Platform to handle custom controller's inputs.

Developed an Android Custom Home Launcher specific to the required TV experience.

Accenture, Morrisville NC — *Manager Lead Developer*

FEBRUARY 2013 - June 2014

¶contributed to the success of the Healthcare.gov and Covered California projects by taking on various roles and responsibilities. Here is a summary of my experience:

HealthCare.gov:

As a member of the architecture team, ¶assessed the current design and implemented a refactored approach to handle the high volume of enrollment service during peak periods. ¶provided guidance and mentoring to the development teams, established governance and code quality, and defined and implemented an Agile peer code review process. ¶also performed architecture design document reviews, presented in the lunch and learn forum, and led the financial implementation phase of the project with on/offshore resources.

Covered California:

¶designed, developed, and implemented the Affordable Health Care Act consisting of a Portal, ESB, ECM, BPM, Rules Engine, and Batch with multiple integration points. ¶provided design and implementation guidance on key applications running within the portal and assisted in the design and execution of the BPM service. ¶also provided mentoring to the WCC interface development team for R¶DC interface, helped translate federal mandated questions to dynamic questions based on an individual's specific profile, and leveraged ADA/508 and WCAG for front-end development. Finally, ¶established governance and code quality using industry standards for metrics and code coverage.

More Upon Request.