

Harrison Gray Minchew Jr.

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Work Experience

📅 11/2019 – PRESENT 📍 TAMPA, FLORIDA

Principal Software Architect Mad Mobile

- Authored enterprise wide Java code style & architecture standards
- Organizing member of the Architecture Review Board
- Built processes and tooling to improve developer experience & productivity

Project A

Environment: Reactjs PWA deployed via Capacitor, Java 17 w/ Spring Boot 3, Apache Kafka/ KStream, Kubernetes, Azure

Project detail: Event-driven Point of Sale application platform served as a central orchestration layer, connecting and managing interactions between web services and POS hardware devices. Each component streamed its inputs and outputs to Apache Kafka as a durable log of system and user intent, allowing consumers to materialize views and build additional functionality.

Project B

Environment: Java 21, Spring Boot 3, Apache Camel, Enterprise Integration Patterns, Infinispan

Project detail: Developed custom OpenAPI spec generator for legacy Guice based REST API. OAS yml stubbed the newer Spring/ Camel projects which ensuring consistent service contract.

📅 10/2018 – 11/2019 📍 TAMPA, FLORIDA

Solutions Architect Mad Mobile

- Works closely with the client's tech team (and their vendors) ensuring proper integration with their environments and store systems, while managing our internal dev resources assigned to the project.
- Solutions the integrations for our mPOS service layer with the client's store loyalty, CRM, and other corporate web services extending the features of the POS serving to a mobile form factor.
- Travels onsite to client's retail locations overseeing production environment setup and deploys. While working with the retailer's dev ops and tech support to define a multi store scalable rollout plan.

📅 09/2017 – 10/2018

📍 TAMPA/ST. PETERSBURG, FLORIDA AREA

Engineering Lead Mad Mobile

Work Experience

Project A

Environment: Java, Jetty, REST, Maven, AspectJ AOP, Reflection API, Google Guice DI

Project Detail: REST service layer integrated to Oracle Point of Sale systems using AspectJ AOP to expose POS functionality from the existing Java runtime. The tiered Maven project structure enforces a consistent REST contract, shared server architecture, and modular code with Guice dependency injection, enabling easy customization and high portability across customer implementations.

Project B

Environment: React, SCSS, iOS Swift, Android, Apache Cordova, node

Project Detail: Developed a React framework for mobile POS applications with dynamic screens and layouts defined by a JSON config which builds each screen's jsx from React component names defined in JSON. Apache Cordova renders the app on iOS, Android, and Windows devices, loading remote React bundle from an S3 bucket for easy updates and A/B testing. Custom Cordova plugins enable interaction with native device functions, such as payment devices and infrared scanners.

📅 05/2017 – 09/2017 📍 TAMPA, FLORIDA

Software Engineer PwC

Project A

Environment: React, D3.js, Play Framework, Activiti BPM, Scala, Postgres, ArangoDB

Project Detail: Admin dashboard detailing usage, KPIs, and task completion stats of PwC SDCs interacting with the Contract Analytics Management application. The portal gave engagement managers key insights to their team's audit and analytics performance. Time series and histogram data queried with SQL and AQL, visualized with D3 graphs.

Project B

Environment: Drools, Java, Scala, Rabbit MQ, JBOSS KIE, Postges, ArangoDB

Project Detail: Drools middleware service ingesting requests from MQ and REST calls which validated document and contract terms against Drools business rules. Validations and rule failures stored in ArangoDB and returned to display in web application for end user resolution workflow.

Work Experience

📅 01/2016 – 04/2017

📍 TAMPA/ST. PETERSBURG, FLORIDA AREA

Java Developer KiteDesk

Project A

Environment: Java 8, Twilio, Apache Solr/ Cassandra, EXTjs, AWS, Amazon s3

Project Detail: Outbound sales dialer application with voicemail functionality for capturing, editing, and saving recordings (stored via s3). Recordings then “dropped” into outbound caller’s voice mailbox. Twilio Java API facilitated the purchasing of phone numbers and outbound voice calls. Users could select local numbers which increased answer rates.

Project B

Environment: Java 8, Apache Solr/ Cassandra, EXTjs

Project Detail: Fullstack development of CSV upload feature used for data mapping of input fields to backend pojo models. Client side filter selections, column sorting and search were backed by Solr indexed Cassandra data search and sort queries, which returned filtered and ordered json objects for display in client.

Project C

Environment: Java 8, Apache Solr/ Cassandra, EXTjs

Project Detail: Implemented the redesign of the application’s user onboarding process. Client side development of new user wizard paired with Google, Microsoft, and Salesforce OAuth account linking. Server side development of user profile data management and persistence.

📅 07/2014 – 01/2016

📍 TAMPA/ST. PETERSBURG, FLORIDA AREA

Java Applications Developer JPMorgan Chase

Project A

Environment: J2EE, Apache Maven, Oracle 11g, JDBC, Spring Batch, IBM MQ, JMS

Project Detail: Integrated Spring Framework within large scale enterprise MQ to ingest transaction records from upstream queues & batched files. Data was parsed and extracted for downstream applications and their data layer. Implemented MQ and directory listeners for real-time, multithreaded processing.

Project B

Environment: J2EE, Apache Maven, Spring MVC, Oracle 10g, JDBC, Bootstrap, DataTables

Project Detail: Analyzed legacy VB .Net application for a rewrite in Java Spring MVC. Web app used for account and transaction lookups flagged by sanctions.

Project C

Environment: J2EE, Apache Maven, Oracle 11g, JDBC, JavaMail, AutoSys

Work Experience

Project Detail: Automated report scheduled with AutoSys, which gathered metrics on the previous business day’s transaction investigation work cases. Report delivered to end users via JavaMail, report data sourced with JDBC.

📅 03/2013 – 05/2014

📍 TALLAHASSEE, FLORIDA AREA

Developer State of Florida (Multiple Agencies)

- Designed and developed an in house solution for asset management by implementing a property tracking web application, persistence via MySQL
- Modified existing static company web pages to dynamic interactive sites using PHP, JavaScript, and MySQL
- Created and modified Microsoft Excel macros using Visual Basic for Applications streamlining FLCCOC's budget managers' reporting processes
- Aided in the design and development of an ASP.NET web application to manage the submission, organization, and storage of monthly financial reports provided from Florida County Clerks to the FLCCOC

📅 09/2011 – 09/2012 📍 JACKSONVILLE, FLORIDA

IT Quality Assurance Specialist Acosta Sales & Marketing

- Reviewed requirements, functional specifications, and technical specifications with respect to correctness, consistency, comprehensiveness and testability
- Provided analysis and optimization of existing testing methodologies with developed test plans
- Reported, tracked, prioritized and identified defects
- Managed all software quality control procedures throughout the development cycle to the final release to the production environment

Education

📅 01/2012 – 01/2014

Information Technology | Bachelor of Science (B.S.) Florida State University

📅 01/2010 – 01/2012

Information Technology | Associate of Arts (A.A.) Florida State College at Jacksonville

Volunteering

📅 06/2015 – 08/2017

Mentor CoderDojo