Ashley M Copeland

Engineering Manager

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Practiced Skills

- Agile, SCRUM, Waterfall
- Amazon Web Services
- Architecture Documents
- Atlassian Suite
- AWS Lambda, SQS

- AWS Step Functions
- Azure Pipelines, Artifacts
- Agile, SCRUM, Waterfall
- Git, Github
- Gradle

- GraphQL
- Intellij, Visual Studio Code
- Java & Groovy
- Kotlin API Development
- Large Project Delivery

- Microservice Architecture
- Python, API Consumption
- SQL, Kotlin Exposed
- Team Leadership
- VBA & Shell

Work Experience

365 Retail Markets – Software Development Manager - Stockwell   **May 2024-Present**

6 Team Members, GCP App Engine, Python, Django, Git, CircleCI, MySQL

- Identified and navigated long standing infrastructure issues to increase application stability
- Cultivated internal talent by creating growth plans for long standing employees to modernize development
- Unified Stockwell processes with existing 365 processes through documentation and structured meetings
- Audited security plans across several systems and shored up their defenses in the cloud and device fleet
- Campaigned for technical debt and prioritized it through direct communication with upper management
- Delivered three successful priority projects in four months while designing several other upcoming initiatives
- Directed management on the capacity, priority, and design of new features and existing pain points
- Optimized Google Cloud App Engine costs, decreasing spend by 900% for a single application

365 Retail Markets – API Team Lead - Software Developer   **July 2022-May 2024**

Kotlin, Java, AWS, Azure, Lambda, SQS, Intellij, Git, Github, Gradle, SwaggerUI, SumoLogic, Instana

- Pioneered usage of AWS Services, including 30+ SQS Queues, 8+ Lambdas, and Step Functions.
- Led team of developers in massive reverse engineering of legacy promotions in thousands of lines of code
- Contributed to creation of automated API Postman tests in Azure DevOps which led to 100% passing tests
- Enforced coding standards by reviewing pull requests, and scheduling several knowledge sharings a month
- Developed internal hackathon and tech conference with 60+ developers and 150+ total participants in a week
- Designed 3 successful software internship programs, growing from classes of 4 to 6, and 100% retention of hires
- Deployed AWS Lambda & APIs automatically from Azure Pipelines with code commits to Github branches
- Composed papers on new project refactors with detailed diagrams and identified tasks for several teams

   Relevant Projects:

   — Conversion of undocumented legacy promotions to asynchronous lambda driven process   **2023**
   — Design and implementation of global product change refactor and rollback using SQS and Lambda   **2023**
   — Updated location moves to an asynchronous process using Lambda, SQS, and Step Functions   **2024**

365 Retail Markets – Software Developer   **April 2021-June 2022**

Kotlin, Java, Groovy, AWS, Azure, Agile, Intellij, Git, Github, Microservices, Gradle

- Redefined TDD constructs for email microservice to detect service issues earlier in AGILE process
- Created a plan for a documentation directory for a project after resources left the company
- Recovered a large software project and led software architecture meetings for technical story creation
- Facilitated automatic API documentation hosted using SwaggerUI format

- ○ Maintained and bolstered an internal client library for our API suite for use in other company applications
- ○ Consolidated Biometric, Privacy Policy, and Terms & Conditions hosting to one repository
- ○ Integrated service alerts & deployments (Azure) for third party down alerts into Slack messages
- ○ Composed papers on new processes for updating Gradle dependencies via Azure Pipelines and Github Actions

Relevant Projects:

— Conversion of DB backend to API Usage in admin application suite through a client library   **2022**
— Global Market Account V2 - Replace usage of v1 & migrated to API/microservice architecture   **2022**
— Payroll-Deduct Offline - API/full environment rework - technical and architecture   **2021**

365 Retail Markets – Junior Software Developer   **October 2019-April 2021**
   Kotlin, Java, Groovy, Javascript, AWS, Agile, Intellij, Git, Github, Microservices

- ○ Refactored and abstracted out an existing email service accessed by API for increased modularity
- ○ Overhauled the existing git flow process for several repositories & introduced required pull requests
- ○ Diagnosed and formulated solutions to problems for off-hours pagerduty emergencies
- ○ Managed SQL database design through generated SQL Statements through CSV files
- ○ Assessed potential email service alternatives to increase ease of development and reduce man-hours
- ○ Founded and executed the first company-wide multi-department hackathon

Relevant Projects:

— Email Service - Complete Refactor - Identification of code antipatterns and removal/rework   **2020**
— Global Market Account - GDPR delete requests process & cross platform implementation   **2021**

365 Retail Markets – Quality Assurance Engineer   **February 2019-September 2019**
   Test Rails, Eclipse, Java, Selenium, Jira

- ○ Contrived page-object oriented test framework with UI and data focuses for accuracy
- ○ Orchestrated a Selenium automation team of five with rolling code pushes integrated with Test Rails

365 Retail Markets – Quality Assurance Intern   **September 2018-February 2019**

Mahle Industries – IT Software Developer Intern   **January 2017-September 2018**
   SAP, ABAP, JIRA, Agile, Waterfall

Mahle Industries – IT Billing Intern   **May 2016- January 2017**
   VBA, Shell, SAP

University of Michigan – Ann Arbor (WISE) – Student Leader   **June 2015**

- ○ Guided and instructed middle-school girls on STEM – CS Technologies - Virtual reality & robotics

Education

University of Michigan-Dearborn - Bachelor of Science (B.S.) in Computer Science **Graduated September 2019**

Other Experience

GrizzHacks – Oakland University – Judge, Mentor, Speaker (Applicant, Intern, Employee)   **Winter '24**
MHacks – Hackathon – General Motors Glass Cockpit, **Java, Android Studio, C++, Python** **Fall '15, Spring, Fall '16**

University of Michigan – Dearborn - WUMD College Radio – Station General Manager   **May 2017- December 2018**

Frequency – Financial Planning and Balance Application – Android Studio – Senior Design   **Winter-Summer 2019**
   Android Studio, Java, Jira, Firebase, PLAID API Consumption