

# Matthew Thorne

## Social

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## Address

Wilmington, DE

(410) 603-3065

## PROFESSIONAL EXPERIENCE

### Acorns

**February 2020 – June 2020**

#### Senior Software Engineer, Wilmington, De

- Prototype implementation of core infrastructure on AWS for handling financial transactions asynchronously and robustly at scale
- Built out the CI/CD process for our team starting with Gradle, Github Actions, CircleCI, and AWS Codebuild
- Leveraged AWS cloud services ECS, ECR, SQS, SNS, IAM, DynamoDb, QLDB, Kafka and Lambda in the building/running of our systems
- Ensured all code was peer reviewed, unit tested, integration tested, and built out actual services to mock interactions where needed to exercise functionality not sufficiently provided by mocking frameworks
- Developed open source commits on community built software to add functionality that my team needed when it was not available

### Capital One

**April 2018 – January 2020**

#### Senior Full Stack Developer, Wilmington, De

- Built backend services for beneficiaries and trust banking products where I mainly focused on everything at the api gateway and beyond
- Developed a set of Python scripts to facilitate the migration of hundreds of thousands of records from a legacy backend system to a newly created backend
- Supported our banking production applications and performed bug fixes as needed through the life time of the products in my space

### JP Morgan Chase

**September 2017 – April 2018**

#### Senior Associate - Microservices Framework Developer, Wilmington, De

- Engineered our systems to leverage distributed tracing with spring cloud sleuth and Zipkin
- Lead training initiatives to develop engineer skillsets in Kafka software
- Leveraged CQRS patterns, Distributed Tracing with Zipkin, 12 factor application development, Kafka, Cassandra, and Spring State Machine to develop an in-house microservices framework
- Moved several CCB applications into an autonomous application architecture, driven by the decoupling nature of events on Kafka and data at the edge
- Leveraged Cucumber to establish an automatic functional testing suite which became a major part of our CI/CD pipeline

#### Associate - Full Stack Big Data Developer

**June 2016 – September 2017**

- Lead development on a new microservice which adhered to 12 Factor Application standards and was developed with Spring boot, Swagger, Mybatis, Hystrix, and log4j2
- Lead development effort on security uplift. Architected and implemented new api security leveraging spring security and ldap authentication
- Lead Chief Development Office efforts on unit testing coverage uplift(Mockito, Junit, Power-mock), code promotion process(Git work flow, toll gate adherence), and mentored new team members on Java development best practices
- Served as SME for one of our Hadoop Ingestion feature sets. Completed all bug fixes, documentation, and training on the usage of this application
- Created a training team that developed hands-on training to educate new developers on tools such as Maven, Spring-Boot, Mockito Unit Testing, RESTful Service Development in Spring, and a "Getting started" training on Python

**Associate - Applications Developer**

**February 2014 – June 2016**

- Built backend services used by Chase.com, Chase Mobile, Credit Card Services, and multiple internal applications
- Developed an application which supported customers that used both MQ and webservice leveraged several interesting technologies to include Mule ESB, Spring Framework, J2EE, Aspect Oriented programming, and building with Maven
- Responsible as primary developer for an Enterprise Service Bus application while on a team developing a new fraud middleware service several middleware layers with various backends and systems of record
- Developed specific fraud-related enhancements in the enterprise service bus for both web service and MQ

**United States Marine Corps**

**January 2005 – January 2010**

**Sergeant, Camp Lejeune, NC**

- Lead Marines by example, instruction, and mentorship
- Specialized in electronics repair for multiple missile/weapon systems, night vision, thermal, and laser equipment

**TECHNICAL SKILLS**

**Programming Languages and Frameworks:** Java, Kotlin, Maven, Gradle, Mule Framework, Spring Framework, Spring Boot, Spring State Machine, SQL, HTML, CSS, Javascript, XML, XSD, XSLT, Shell Scripting, React, Feign, Spring Cloud Sleuth, Spring Kafka

**Operating Systems:** Windows, Linux, Mac OSX

**Tools:** Eclipse and IntelliJ IDE, Latex, Git, Tomcat, Swagger Restful API Docs, Hystrix, Eureka, Kafka, Docker, CQRS Pattern, OO Design Patterns, Zipkin, Distributed Tracing Theory, Micrometer, LocalStack,

**Database Tools:** Oracle, MySQL, Cassandra, NoSQL, PostgreSQL, SQL developer, PGAdmin, Dynamodb

**Certifications:** AWS Certified Developer - Associate - Certification Date: Oct 2018 - Oct 2020 License 4PMZCT8CKJVEQHGX

**EDUCATION**

*Bachelor of Science, Computer Science*

**Salisbury University, Salisbury, MD**

**December 2013**

**PUBLICATIONS**

“Experimenting an implementation-focused approach to undergraduate compiler course”, International Journal of Teaching and Case Studies, Inderscience Publishers Authors: Matthew Thorne, Xiaohong Wang, Hilary Vernon, Joshua Bargar

**AWARDS**

1st Place Winner - JP Morgan Code for Good Hackathon  
1st Place Winner - Salisbury University Programming Challenge