

# Kheirallah Ashkar

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Kheirallah.net

## SKILLS AND SOFTWARE PROFICIENCIES

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Docker • Unix • Java • Spring • Kafka • APIs • Python • HTML/CSS • JavaScript • Angular • ReactJS • Cucumber • Jenkins • NoSQL • SQL • AWS • Google Cloud Platform • Salesforce • Tomcat • Agile & Scrum • Git • SVN • GitHub • Bitbucket • Jira • Maven

## WORK & LEADERSHIP EXPERIENCE

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February 2021 – Current

**Capital One**

Washington D.C.

### **Senior Associate, Software Engineer**

Architect, develop, and maintain various HA applications serving 150,000,000+ consumer messages daily

- Migrated a NoSQL database which contained 1,000,000,000+ message history receipts for our consumers to AWS DynamoDB
- Create and maintain 10+ containerized APIs in AWS which are consumed by various other public and internal consumers
- Created serverless applications using AWS Lambda for batch jobs triggered by event listeners
- Maintained and created multi-region deployment strategies for resiliency across applications and databases
- Experienced Site Reliability Engineer who owns applications from development to release and production support

July 2017 – February 2021

**JPMorgan Chase & Co.**

Chicago, IL

### **Software Engineer, Associate**

Deliver large-scale solutions within multiple divisions across the firm for internal and external clients

- Served as a full-stack engineer on various agile teams working with large-scale web-based applications serving 10000+ clients
- Reinforced strong Agile & DevOps practices across multiple feature teams to accelerate delivery and increase quality for our products
- Architected and developed various microservices with APIs that are leveraged across various platforms
- Designed and implemented front-end UIs for client onboarding processes
- Led a Community of Practice (CoP) to help implement industry-wide best practices for continuous integration
- Mentored 15+ interns/new hires, serve in various committees, and represent the firm in various external events
- Led an agile team and architected a fully cloud-based solution for a non-profit client
- Awarded for outstanding work with a non-profit client for a solution which reduced technical infrastructure costs by approximately 75%

August 2016 – May 2017

**Quark Security, Inc.**

Columbia, MD

### **Full-Stack Software Engineer, Intern**

Developed applications for a recently founded startup company working with a Scrum team in an Agile environment

- Created mobile applications which increased defensive security by customizing restriction policies for employees' cellular devices
- Received \$400K+ for funding new projects and sold 6000+ licenses for current applications

June 2016 – August 2016

**Radius Technology Group**

Silver Spring, MD

### **Software Consultant, Intern**

Developed a surveillance system to increase security on college campuses with a team

- Analyzed clients' current security systems, gathering insight to research integration possibilities
- Delivered presentations to inform upper management of current progress and future goals
- Researched video analytics to develop a white paper which has received college campus acceptance

June 2014 – May 2016

**Bowie State University**

Bowie, MD

### **Assistant System Administrator**

Oversaw the entire computer hardware and network infrastructure across the Computer Science department

- Led a team of 4 to work on various projects addressing our system infrastructure
- Managed and maintained 600+ computers ensuring that any hardware or software issues were resolved
- Researched vulnerabilities to help develop a cybersecurity research paper, currently published to 4 scholarly journals

## EDUCATION

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**Bowie State University**, May 2017

Bachelor of Science in Computer Science; 3.9/4.0 GPA - *Summa Cum Laude*

## CERTIFICATIONS

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**Amazon Web Services**, Solutions Architect Associate, May 2021