

# ALBERT KUNG

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Rockville, MD

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## Senior Technology and Strategy Leader

Technology leader who's spent years bridging the gap between technical challenges and business goals. Background in driving growth, leading teams across different sectors, and turning complex problems into workable solutions. Blends tech know-how with a practical approach to business strategy.

### TECHNICAL SKILLS

Product Management  
Information Security  
Fintech  
Cloud Technology  
Regulation (Financial, Health Care)  
Global Strategy and Change Management  
AI and Machine Learning  
Teaching, Mentoring, Presenting

### TECH STACK

AWS Cloud Solutions, Full Stack  
Java (EE, Spring, Microservices, JPA)  
Big Data (MongoDB, ElasticSearch)  
Database Management  
Python  
Angular/TypeScript  
Agile/Waterfall

### PROFESSIONAL EXPERIENCE

**FINRA**, Rockville, MD  
**Associate Director**

2023 – 2025

Led 3 engineering teams deploying and maintaining customer and internal-facing applications, as well as internal and external use APIs, for all FINRA member firms and internal FINRA users.

- Reduced AWS costs 75-80% through analysis of usage patterns and right-sizing.
- Designed and implemented plans for modernizing and scaling out infrastructure, better meeting customer needs. Implemented Cloudwatch-based scaling for Fargate cluster count dynamically tied to SQS queue volume.
- Improved monitoring through integration of services including DataDog, Splunk, and other alerting to better respond

**CAPITAL ONE**, McLean, VA  
**Lead Software Engineer**

2021 – 2023

Coordinated with developers as the senior engineer on the team to provide technical expertise for implementing and updating software.

- Developed and maintained components for Secured Card program, providing services to 1M+ new-to-credit customers for entirety of product relationship
- Worked with leadership team on long-term business and product initiatives with external customers including Walmart to provide personalized secured credit card approval channels.

**FINRA**, Rockville, MD  
**Staff Developer**

2014 – 2021

Led development of application as dedicated individual contributor to the EFOCUS project throughout the course of its application from initial legacy keep-the-lights-on operation to modernization efforts.

- Primary SME for Electronic Financial and Operational Combined Uniform Single (EFOCUS) application, collecting data from 3500+ US brokerage firms across 50K+ filings yearly for monitoring enforcement actions in conjunction with SEC.
- Spearheaded development of \$6.6m EFOCUS redesign, leading to easier access and stability for users, using Java, Spring Boot, and Angular 8.
- Implemented cloud migration from 2017 to 2018

**JUMPSTART**, Rockville, MD

2019 – 2021

**Founder**

Managed 5-member startup team overseeing development of consulting firm to address high failure rates of new businesses in their first two years of operation.

- Developed proposed business and go-to-market plan and financial analysis and sustainable business model to generate est. \$500K+ revenue stream over 2+ years.

**WARGAMING**, Austin, TX

Present

**Program Coordinator**

Supervised 180+ quality assurance testers for World of Warships, finding and reporting 100+ defects to development team monthly.

- Coordinated with development team and project leads to prepare and design stress tests.
- Prepared multiple training seminars for 100+ testers on defect reporting tools (Redmine) and wireframes (Balsamiq).

**AMAREX**, Germantown, MD

2011 – 2014

**Scientific Data Analyst**

Authored pharmaceutical research reports and proposals for submission to FDA in support of multiple \$M+ contracts. Clients consisted of international pharmaceutical companies looking for clinical research or drug approval application services.

- Drove organization towards use of open-source software, reducing costs for individual studies ~\$50K per contract study. Open-source software with on-site hosting reduced costs by ~\$10K per study and also improved support time through self-managing SaaS.

## ADDITIONAL RELEVANT EXPERIENCE

**MENTOR AND ACTOR**, NYU LEADERSHIP ACCELERATOR

2020 - PRESENT

Helped current MBA students adapt to and experience real-world challenges for all accelerator programs since program's founding

**PRESENTER**, OPENCLINICA GLOBAL CONFERENCE, BOSTON, MA 2014

Moderated a working group session for customer-based improvements for open-source clinical software.

**EMERGENCY MEDICAL TECHNICIAN**, ROCKVILLE VOLUNTEER FIRE DEPARTMENT ROCKVILLE, MD

Commanded 4-member ambulance unit over 5 years, providing critical care

## EDUCATION

**Master of Business Administration (MBA)**, New York University (NYU), Stern School of Business, New York, NY

**Master of Science (MS), Computer Science**, Johns Hopkins University, Baltimore, MD

**Bachelor of Science (BS) Bioinformatics**, University of Maryland, Baltimore County (UMBC), Baltimore, MD