

Irfaan Khalid

SOFTWARE ENGINEER · PHOTOGRAPHER · PUBLIC SPEAKER

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Education

Vanderbilt University

B.S. IN COMPUTER SCIENCE, B.A. IN MATHEMATICS (APPLIED)

Nashville, TN

Aug 2015 - May 2019

The Hong Kong University of Science and Technology

STUDY ABROAD

Clear Water Bay, Hong Kong

Feb 2018 - May 2018

Work Experience

Amazon

SOFTWARE DEVELOPMENT ENGINEER

- Develop backend APIs for Amazon Advertising's creative asset manager used by internal and external clients with Java, Spring, and AWS (heavily leveraging EC2, DynamoDB, and CloudFormation).
- Previously designed and implemented custom advertising solutions, managing collaboration between a variety of teams at Amazon as well as external stakeholders.

New York, NY

July 2019 - Present

Capital One

SOFTWARE ENGINEER INTERN

- Owned Spring Boot microservice and API development within Capital One's model governance ecosystem.
- Collaborated with the business and delivered functionality to meet the needs of at least 5 internal stakeholders.
- Founded and conducted *TED Talk Thursdays*, a lunch discussion forum for Capital One employees.

McLean, VA

June 2018 - Aug 2018

The Bank of New York Mellon Corporation

SUMMER TECHNICAL ANALYST

- Developed a Spring Boot web application to expose internal applications' Jenkins health statuses.
- Wrote, tested, and supported documentation for BNY Mellon's internal developer website.

Pittsburgh, PA

June 2017 - Aug 2017

Vanderbilt University Institute for Software Integrated Systems

RESEARCH INTERN

- Placed 1st among 10 teams participating in DARPA's STAC research challenge as a member of Vanderbilt's research team.
- Developed tools for Java bytecode security analysis to aid in discovering time and space complexity vulnerabilities.

Nashville, TN

May 2016 - July 2016

Leadership Experience

VandyHacks

SENIOR ADVISER, PRESIDENT, DIRECTOR OF SPONSORSHIP

- Advised the VandyHacks V organizing team by offering insight, assisting with administrative tasks, and guiding vision.
- Served as President of VandyHacks IV, overseeing coordination for the 450+ attendee hackathon and leading a team of 30+ organizers across 5 organizing committees.
- Served as Director of Sponsorship of VandyHacks III, managing the event budget and directing acquisition of over \$63k in corporate sponsorship - a 50% increase from VandyHacks II.

Nashville, TN

Feb 2016 - May 2019

Vanderbilt Toastmasters

PRESIDENT, VICE PRESIDENT OF MEMBERSHIP, MEMBER

- Oversaw club operations and coordinated with other members of leadership to foster a thriving organization.
- Delivered speeches and served in evaluation and other speaking roles regularly.

Nashville, TN

Mar 2016 - Apr 2019

Projects

Vaken

DEVELOPER

- Developed backend functionality for *Vaken*, a next-generation hackathon management system.
- Implemented key API functionality using Node.js, TypeScript, and GraphQL.

OneHop

HACKER

- Designed and developed a Slack bot, OneHop, to serve as Capital One employees' personal productivity assistant.
- Built Python integration with external RESTful APIs.

Skills

- **Languages:** Java, C++, JavaScript, TypeScript, SQL, HTML, CSS
- **Technologies:** Amazon Web Services, NodeJS, Spring Boot, GraphQL, REST, OracleSQL, MongoDB, Git, Maven, JUnit
- **Certifications:** AWS Cloud Practitioner, Toastmasters Competent Communicator, Toastmasters Competent Leader
- **Other Skills:** Public speaking, Agile, leadership, communication, teaching, mentorship, technical writing