

Fawaz Joseph

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Associate Level Java Developer

- **Passionate and creative Software Developer**, adept at building and supporting mobile applications; research and understand new programming concepts and computer applications.
- Background in mobile design, Java, Python and C++ development, and data structures.
- Outstanding interpersonal skills; extremely active, responsive developer with strong ability to establish rapport with technical and non-technical teams, creative talent, and leadership.

Recognition:

- **Two-time Winner Campus Coding Competition:** Won "Hughes Coding Challenge" in 2011 and 2012.
- **AWS Certified Developer:** Certified AWS Developer March 2018
- **Winner at Company Hackathon:** Got 2nd at Company Hackathon using aws rekognition and twitter
- **ASA Employee of the Year:** Engineering, IT, and Scientific Sector All-Star

Education and TECHNICAL SKILLS

BS, Computer Science, Bowie State University, Bowie, MD, Dec 2013

- Recipient of "*Bulldog Academy Summer 2009 Scholarship*" for being top student in program.
- Invited to join Golden Key International Honor Society (August 2011)

Languages/Frameworks & Programs: Java, Spring MVC, Hibernate, Spring Boot, Python, C++, Objective C, Swift, HTML, AngularJS, Bootstrap, Angular Material, CSS, PHP, JUnit, Visual Basic, Dev C++, Adobe Photoshop, Putty, Inkscape, Microsoft Office, Eclipse, LibGDX Game Engine, RoboVM, Xcode, Eclipse, Restlet, Linode, DrJava, Blackboard Collaborate, AWS, Nginx, elasticSearch, Kibana, etcd

Database Applications: SQL, Microsoft Azure Cloud, Firebase, MS Access, SQL Server, PostgreSQL, MariaDB

Operating Systems: Microsoft Windows Vista / 7 / 8, Mac OS X Yosemite, UNIX

Relevant TECHNICAL PROJECTS and work experience

PERSONAL MOBILE Android AND ios PROJECTS, Greenbelt, MD June 2010 - Present

- **Brain Survival:** Used Java, LibGDX and RoboVM to develop Android and iOS 2-player puzzle game.
- **Dog Fight Gauntlet:** Created iOS / Android game for single player; set up various configurations for aircraft performance.
- **Rock Paper Scissors:** Developed multi-player iOS / Android game with Google API Google Play Game Services.

PERSONAL Projects, Gaithersburg, MD January 2016 - Present

- **jobmarketbreakdown.com:** A website to help college students know what employers are looking for
- **MicroService Discovery Stack:** A collection of Shell Script, Python, Nginx, and etcd working together to allow microservice discovery in the AWS environment
- **Entry in Alexa Skill Hackathon:** Used node.js to create an alexa skill to enter an aws hackathon

Accomplishment

- AWS Certified Developer
- ASA Employee of the Year

All Source Code can be provided on request

FINRA, Rockville, MD January 2017 - Current

Developer Worked as part of a team to complete an application used by a company of three thousand users

- **Java/Javascript:** Develop application to satisfy customer needs
 - Worked with Spring Boot to create and update microservices
 - Create and maintained report applications
 - Wrote Unit and Integration Tests to make sure code is correct
 - Used flyway to update db schema
- **Jenkins:** Build and deploy application to multiple environment
 - Diagnose and fix any error with the jenkins jobs
 - Worked with the team's CM to create jobs
 - Wrote steps for production deploy
- **Scripts:** Used scripts for automation for Deployment

- Bash script to install application on ec2 instance
- Python script with boto to attach volume to ec2 instance
- **Misc:**
 - Worked with Tester to verify code in lower environments
 - Participated with the team in the Agile methodology

FINRA, Rockville, MD August 2015 - January 2017

Java Tools Engineer (Placed by Temp agency ettain group from August 2015 to present)

Provide Support for various development tools for every technology member and some business users in the company of 3600 employees.

- **JIRA:** provided administrative support for the company's project management tool
 - Upgrade and maintain JIRA
 - Create new workflows
 - Install and Modify plugins
 - Maintain in house plugins
 - Analyze and remedy user issues
 - Automate installation and recovery design process for migration to AWS
- **Bitbucket/SVN:** provided administrative support for the company's source control tool
 - Upgrade and maintain Bitbucket/SVN
 - Migrate source code from SVN to Bitbucket
 - Install and modify plugins
 - Analyze and remedy user issues
- **Jenkins:** maintained the company's Continuous Integration tool
 - Install Plugins
 - Remedy user issues
 - Wrote unit test for in house plugins
- **AWS:** had extensive exposure to AWS since the company is moving to the cloud
 - **CloudFormation:** Used cloud formation automate provisioning resources
 - **ECS:** Using ECS containers to provision jenkins slaves
 - **EC2:** Stood up JIRA and Kibana on EC2 Instances
 - **RDS:** Maintained a postgresSQL and read replica for the JIRA application
 - **Lambda:** Wrote Lambda code to terminate idle instances
 - **Cloudwatch/SNS:** Used Cloudwatch to trigger SNS which in turn triggered Lambda
 - **CodeDeploy:** Visualize the metrics of the company usage of CodeDeploy using Kibana
 - **Reports:** Created various reports using AWS Java SDK
- **Fisheye:** Maintained the company code review tool

Sports Zone, Beltsville, MD December 2014 – April 2015

IT Intern

Created apps and provided Tier 1 & 2 support at company HQ as member of 4-person team (3 software, 1 hardware).

Personally collaborated with Customer Service Representatives to improve and streamline employee access to cloud database.

- **Discrepancy Report:** Wrote app that generated report of orders containing data discrepancies.
- **Daily Compliance Reporting:** Developed app to automatically send daily Schedule Compliance Reports to store managers.
- **Exchange 2003 WebDAV:** Built standalone WebDAV email application to bypass Outlook allowing employees to access email at MS Exchange server (through POS system); currently integrating and rolling out to 40+ stores.
- **App Enhancements:** Maintained Visual Basic applications; fixed bugs and enhanced software capabilities through WinForms.
- **Cloud Database:** Created Visual Basic app to streamline access to the cloud database for employees.

Bowie State University, Bowie, MD February 2014 – April 2015

Google Rise Tutor

Lectured AP high school students weekly (online) regarding Java in preparation for AP exams; explained advanced Java concepts. With other tutors, met entire class in person once per month; mentored high school students personally.

- **Lead Tutor:** Due to personality and software knowledge, acted as "go to" person for Java questions.

Bowie State University, Bowie, MD August 2009 – December 2014

PRISEM Tutor

Provided tutorial sessions for undergraduate and graduate level students; taught and reviewed basic concepts in Beginning C++, Data Structures, College Algebra, Graduate Student Refresher C++, and graduate level Data Structures & Algorithms.

Bowie State University, Bowie, MD June 2011 – December 2013

Research Assistant (Department of Computer Science)

- **Math Culture:** Assisted in research about how people interact with mobile phones; created mobile app to collect data on app usage to aid in mapping behavioral patterns of the users.
- **Girls Who Will Summer Camp:** Created apps for program targeting elementary and middle school female students; taught and mentored girls to program; integrated and tested culturally situated design tool (CSDT) into mobile devices.

campus activities

Bowie State University, Bowie, MD June 2010 – August 2014

Mentor, Bulldog Academy

Mentor 3 incoming freshmen classes in math and aid new students to acclimate to college life. Provide supervision to students residing in campus housing facilities during summer program.