JS **Joe Sema**

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OBJECTIVE

Seeking a development position, in a challenging environment that focuses on the Engineering Systems and Software, IS Project Management, and Data Security.

EDUCATION

The Pennsylvania State University State College, PA   May 2018
Bachelor of Science in Information Sciences and Technology | Design and Development   *GPA 3.20*
Minor in Security Risk Analysis | Cyber-Security

WORK EXPERIENCE

The Vanguard Group Inc. – Software Developer   July 2018
- Designed and engineered AWS hosted web application
  - AWS Infrastructure – S3 buckets, DynamoDB, Database Migration Services (DMS)
  - Angular7.0 front end – HTML, CSS, Typescript
  - Java Rest Services Backend – Spring Framework, Spring REST API, and Spring DATA JPA
- Developed Java Batch application for interfacing data between two SaaS applications
  - Made use of Spring Framework, Java Core, Java architecture XML Binding (JAXB), and Junit Coverage
- Initiated 2 Sprints on Testing Coverage, which as a result brought coverage from 7% to over 60% in 4 weeks
- Lead and developed Testing Automation initiative / project and followed industry standards
  - Page Object methodologies, Cucumber tests scenarios / feature files, and employ BDD and TDD

AccuWeather Inc. – Mobile Applications Developer Intern   Jan 2018 – Apr 2018
- Integrated over 30 patches and bug fixes to the AccuWeather Android flagship
- Solved Graphical User Interface issues and provided improvements on UI/UX design with all devices ranging from 4.5 inch to 5.7 inch smartphones and 9.7 inch tablets
- Conducted leading research and design of Automation Engineering tests on both Android and iOS flagship applications using Selenium and Appium

Penn State HM & Finance Department – Android Software Developer   Aug 2017 – May 2018
- Developed classroom Android application with Android Studio where teachers and students can blog about assignments
- Implemented Google's Firebase UI, Authentication, and Real-time Database to allow features such as two-way communication

PERSONAL PROJECTS

Mock Interview Artificial Intelligence (MIA) – Technical Lead
- Developed a Mock Interview application to help college students in interviews and provide interview statistics
- Leveraged IBM Watson's Tone Analyzer API, Text to Speech and Speech to Text API, and Natural Language Understanding API, to understand and create a user model for interviewing skills

Portfolio Site
- Developed a Portfolio site using Angular 7.0 as the front end framework along with HTML, CSS, Typescript
- Made use of Angular FlexBox and CSS media queries to add responsiveness to portfolio site

Task Manager Web Application
- Created Java Boot server-side application containing REST services and mock data using with H2 database, JPA, and CRUD
- Developed Angular7.0 client-side interface to consume java REST services on server side, and deployed app with Heroku

TECHNICAL SKILLS

Languages: Java, Python, C++, SQL, HTML, CSS, JavaScript, Typescript
Frameworks: Java Spring, Angular 7.0, Appium
Technologies: AWS, Control M, Google Firebase, IBM Watson, Android Studio, Git, Cucumber, Selenium WebDriver, Heroku, Java Processing.