MICHAEL A. TOMPKINS

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Certifications

- **AWS: 2025 Secrets Manager Certification; 2018 Solutions Architect, Developer & SysOps Admin certifications**
- **Java: Studying for Oracle OCP certification**
- **C: Completed University of Helsinki Online Course in C language**

Technical Skills

Languages:	Java, Javascript,Typescript, C#, PHP, Python, SQL, VBA, C
Databases:	SQL Server 2012, 2016, MySQL, SQLite, MongoDB
Frameworks:	Spring Boot, Cucumber, Selenium, Cypress, TestNG, JUnit, RestAssured, Flask
Relevant Software:	Git, Gradle, Postman, Mongo Compass, Intellij, Jenkins, Kibana, Spinnaker, Saucelabs
Operating Systems:	Linux Ubuntu and Mint, RHEL 7 & 8, CentOS 7, Mac, and Windows Server
Web Development:	Developed web application in Python using Flask framework and SQL Database - deployed on Linux server and docker containers, version control with Git
AWS:	Familiarity and hands-on experience with wide range of AWS products from work experience and Certification Training. E.g., Creating and maintaining EC2 instances, EBS volumes and S3 buckets and configuring accounts with IAM
Soft Skills:	- Ability to translate business requirements into a deliverable product - Firm grasp of Agile methodology and experience working with a large team

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Work Experience

Agile Development, Professional   November 2021 – Present

Freddie Mac Full Time Employee

- Functioned as lead developer for business application (VBA/SQLServer) providing core tool for risk compliance management team
- Successfully deployed 8+ releases over 3 years
    - Collaborating with business team to define feature requirements and technical solutioning thereof
    - Developing front end application features, e.g. parsing UI and assembling XML to send to SQLServer
    - Developing data architecture and SQL stored procedures performing complex business logic and data persistence

- ○ Developing UAT and regression testing scripts and administering UAT testing session with business users
- ○ Scheduling deployment and notification to stakeholders, deployment, and final testing
- Working with testing team to architect and build Java/Spring Boot integration test framework employing novel architecture in corporate division
  - ○ Collaborating with Product Owner and Dev Manager in Java-based back-end product team to gather requirements on desired test automation strategy
  - ○ Building test framework utilizing in-memory SQL database, mock MongoDB, JMS/AMQ and REST services using Cucumber framework
  - ○ Creating Config, Component and other classes to mirror and validate service functionality
  - ○ Ensuring version control while adding new features to applications alongside team of developers
  - ○ Onboarding developers with framework usage to enhance feature development testing within the tight confines of a sprint
  - ○ Enabling integration test automation in Jenkins pipeline and attachment of test results to relevant JIRA stories
- Built and enhanced multiple Cypress (Javascript & Typescript) and Selenium (Java & C#) test automation suites performing key validations during development lifecycle and during migration and modernization initiatives
  - ○ Researching and implementing Saucelabs parallelization on Cypress test automation suite in order to cut execution time by 75%
  - ○ Daily execution of Cypress test automation against UAT environment and using JIRA ticketing to raise defects to applicable product teams

Application Developer   April 2021 – November 2021

Pyramid Consulting / Freddie Mac contract

- Engaged with business team to develop and deploy application enhancement
- Support and development of client and server-side forms using MS Access and VBA
- Developed stored procedures using SQL Server
- Gathered business requirements and architected technical designs thereon

IT Operations Consultant (Part-time) December 2018 – Present

Dig-it! Games - Bethesda, MD

- Coordinating with COO on IT software development projects

- 24-7 monitoring and site reliability maintenance of AWS, Windows and Linux servers and web applications
- Engaging with web hosting provider to configure domains and resolve network/storage issues
- Deploying business intelligence software on Windows Server 2012 and Linux KVM virtual machines
- Collaborating in the architecting of Pimcore Digital Asset Management application and deployment thereof using docker on Linux VM

Intellectual Property Specialist   May 2016 – April 2021

Wenderoth, Lind & Ponack, L.L.P. - Washington, D.C.

- Manage dockets for three attorneys using MS Excel and MS Access in domestic and foreign cases
- Prepare essential legal documents for multi-year phases of patent prosecution to USPTO
- Communicate with USPTO Examiners regarding patent prosecution details

Service Department Operations Manager   2013 – 2016

BicycleSPACE - Washington, D.C.

- Consistently voted best bicycle shop in D.C.
- Designed and implemented service department operations plans over three stores
- Hired and onboarded service manager and mechanics and balanced staffing needs

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Education

Bachelor of Arts, Government and International Politics   2006

George Mason University - Fairfax, VA

Recent Personal Projects

- "Serverless" website hosting resume
  - Inspired by the "Cloud Resume Challenge" - personal resume hosted at tompkinsblog.us
  - Skills/tools utilized:
    - Converting .docx resume to HTML
    - Configuring AWS S3 bucket to host static website with HTML file source
    - Configuring Route53 and Cloudfront to serve domain
    - Configuring DynamoDB, ApiGateway and Lambda to track user visits to domain
- Built and configured Raspberry Pi Network Attached Storage device for home use