

PROFESSIONAL SUMMARY

Proactive Software Engineer with 12 years in the field, specializing in developing and testing web services, and client/server applications, and integrating diverse systems into functional solutions. A dependable resource, always available to support business needs and ensure the highest quality of work is delivered within strict timelines.

- Excellence knowledge and implementation skills in complete Software Development Life Cycle.
- Experience in Agile Projects; worked closely with Product Owners and Developers and QAs in Agile and attended different meetings like Sprint Planning, Scrum, Sprint Review, Retrospective.
- Experience in gathering requirements and data to support the creation of Technical Design Documents.
- Experience in building web services for Active-Active pattern (AWS Cloud multi region), Blue Green pattern (for AWS Cloud deployment), and Third-Party vendor integration.
- Experience in working with microservices, and multi layered architecture.
- Experience in using Terraform (infrastructure as code) for AWS deployment.
- Experience in setting up CICD for deployment and testing using Azure pipeline.
- Experience in utilizing monitoring tools such as Splunk and CloudWatch to integrate them into systems for real time monitoring and alerting.
- Experience in designing and implementing configurable software test automation framework from scratch.
- Experience in creating a system of utilities and tools on top of internal resources to help with daily work activities.
- Experience in working with multiple projects in parallel and taking on additional challenges outside of regular responsibilities.
- Knowledgeable in using mock data to streamline testing and development for complex vendor data and system failure.
- Experience in performing Integration testing, Regression Testing, Database testing, Data verification testing, Load testing, and Stress testing.
- Experience in troubleshooting issue in Production environment using application log and application resource monitor.

SKILLS & TOOLS

- Technologies/Framework: RESTful Web Services, Microservices, MVC, Web Application, Window Application, .NET, NodeJS, React, Bootstrap, Puppeteer, Selenium Web Driver, Playwright, Visual Studio MS Test
- Testing tools: K6, JMETER, SOAP UI, .NET Console App
- Test Automation design: Layered Architecture, Page Object Model
- Version Control Tools: GIT (Azure DevOps), TFS (Visual Studio)
- Database: Microsoft SQL, PostgreSQL, NoSQL (AWS Dynamo)
- CICD Tools: Azure Pipeline
- Deployment: Terraform
- Monitoring tool: Splunk, Cloudwatch
- Programming Language: C#, JavaScript, Python
- Other languages/technologies: HTML, CSS, XML, JSON, XPath, JSON Path, XSLT, YML

WORK EXPERIENCE

First American Mortgage Solution

Senior Software Engineer

2014 – Present

FraudGuard is a mortgage fraud detection and prevention solution delivered as a Software as a Service (SaaS), built on a Service Oriented Architecture (SOA).

- Collaborated with Products and Technical Leads to define requirements, and with QA and DevOps teams for testing and deployment.
- Created technical design documents (TDD) for designing systems and components under changes, utilizing UML diagrams and flowcharts.
- Migrated several on-premise web services to AWS cloud using C#, NodeJS, AWS Lambda, S3, and DynamoDB.
- Developed scheduled tasks to address issues outside of application functionality, such as data migration and SQL table modifications, using C#, SQL Client, AWS S3, AWS Lambda, and AWS CloudWatch events.
- Automated the loading of vendor data for internal consumption using Puppeteer, Axios, NodeJS, AWS S3, AWS Lambda, AWS CloudWatch events, and Terraform.
- Integrated Splunk into application for monitoring and realtime alerts.
- Automated deployment and creation of AWS resources using Terraform.
- Automated report generation using in-house web services, SPLUNK queries, C# Threading, Selenium Web Driver, .NET REST Client, and .NET SQL Client library.
- Utilized Azure Pipeline for CICD to build, deploy, and test AWS services.
- Employed Azure Pipeline for CICD in regression testing with K6, Selenium, MS Test, and Playwright.
- Implemented UI automation for Iframe navigation, PDF validation, file download verification, and new tab/window using Selenium.
- Implemented a daily report scheduled to run daily to monitor application health using Selenium and C#.
- Developed several in-house tools such as S3 reader, web service client utilities, and SQL table reader to streamline daily tasks.
- Worked on security updates to prevent software vulnerabilities.
- Provided support during Production releases, outages, and hotfixes using SPLUNK, SQL, AWS CloudWatch.
- Designed and implemented data quality comparison automation tests producing statistical values to provide deep insight into the effect of invasive modifications such as Business Logic and Vendor changes.
- Improved automation reliability by breaking large tests into smaller ones, applying retry when needed, avoiding duplication, and emphasizing reusable code.
- Analyzed vendor data model, documents, and sample responses to create a portfolio of mock data for application development, Production troubleshooting, and Test Automation for all Vendor sources.
- Assisted in training new hires.
- Utilized Fiddler, PostMan, in-house applications, and Web Browser Developer Tools for daily activities.
- Employed Selenium, Playwright, JavaScript, and .NET for creating functional test automation.
- Used JMeter, SoapUI, K6, and .NET for creating load test automation.

Interthinx

Software Engineer

2012 – 2014

- Developed automated tests suites for testing web applications using IBM RFT, JS Phantom, Casper JS, and Code UI Test.
- Conducted load test using SOAP UI, and MS Test.

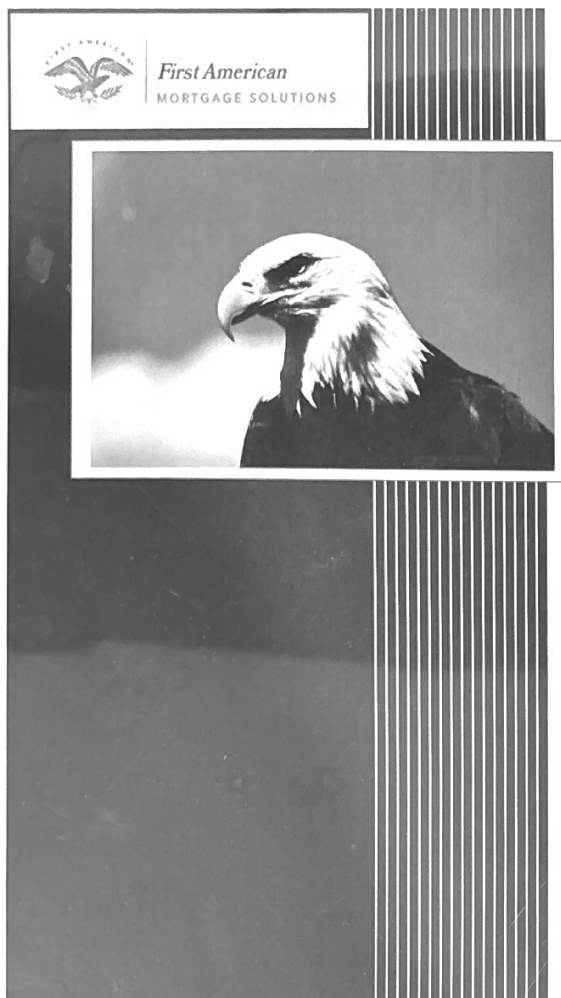
- Assisted Senior Developers with development tasks such as web service unit test, update store procedure, technical design document, and create deployment packages.
- Created test plan and test cases for functional, load test, and stress testing.
- Designed an automated C# app scheduled to run hourly to check the health of major services.
- Integrated C# MS Test into in house regression test tool.
- Assisted QA Manager during release by volunteering to run regression to verify application health.

EDUCATION

- Computer Engineer - Bachelor of Science, University of California Irvine December 2011
- Udacity online learning platform – Front End Web Developer November 2016

AWARD

- Award of Excellence – First American September 2018



September 21, 2018

First American

Presents the

Award for Excellence

Excellence comes from going beyond the call of duty, doing more than others expect, maintaining the highest standards, looking after the smallest detail, and going the extra mile! Excellence means doing your very best, in everything, in every way!

*To **James Le**
Recognition For*

I would really like to express my sincere appreciation for your contribution and work ethic in not only managing your regular responsibilities, but always being eager to take on additional challenges and going above and beyond to accomplish them. You are a great team player and always extending your assistance to your coworkers and also to those outside our vertical. You are cool under pressure and manage complex situations well. You have interfaced directly with prospects and clients to accommodate their needs and meet high priority asks ahead of expectations. Your skills in managing multiple things and delivering the highest quality work collectively contribute to your success. It is a pleasure to have you on a team!

Interthinx, a Verisk Analytics Company

"Expect Excellence" Certificate of Appreciation

Awarded in recognition of the contribution of

James Le

toward the continued success of Interthinx.

Your generosity of spirit and skill has been instrumental in helping Interthinx achieve its goals.
We deeply appreciate your enthusiasm, honesty, proactive approach and high standard of work.

You are an inspiration to others.

Congratulations!

Presented on this **12th** day of **April** 2013



President

