Hamilton T. Nguyen

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https://cheddars122.github.io/

Hamilton Nguyen is a design-focus and result-driven software engineer. He collaborated and led teams in software code designs, software testing, software deployment/monitoring, and IT System of Record (SOR) Operation. He is an exceptional engineering professional with a comprehensive track record of exceeding project's expectations, demonstrate strong leadership skills among peers and senior professionals, and develop/deliver projects.

Work Experience

Verizon Inc.   *Irving, TX*
DEVELOPER-JITR DATA VALIDATION- VZ SUPPLIER   *June 2023 - Present*
- Develop, deliver, and execute Posix shell scripts to automate system of records monitoring for just-in-time-rating (JITR) activities.
- Develop, deliver, and execute PL/SQL scripts to initiate system of records data pooling for JITR activites.
- Develop, deliver, and execute Spring Framework projects to maintain hourly JITR reporting for Verizon billing operations.
- Develop, deliver, and execute Rating Usage Monitoring Controls (RUM) to monitor B2B and Consumer accounts for Verizon billing operations.
- Monitor various B2B(business to business) and Consumer call data records for Verizon billing operation.
- Report end of cycle (EOC) data observations in stand up meetings, and conduct technical investigations with diverse engineering professionals on data type usages, rating, and usage alerting.
- Process and resolve at-your-service (AYS) data validation investigations on customer's inquiry and complaints related to usages, rating, and alerting.
- Draft technical design and procedural documents for JITR Operations.

FULL-STACK DEVELOPER- VZ SUPPLIER   *May 2022 - June 2023*
- Develop and deliver domain-based, state-of-the-art IT-critical provisioning system (MTAS) with AWS cloud platform using various programming languages, and software design patterns.
- Develop and deliver production parallel and production parallel like testing tools.
- Assist in the project planning tasks, manage middleware application configurations and development resources, and collaborate with diverse engineering professionals.
- Collaborate and lead a team on various software testing activities such as sanity testing, integration testing, non-production and production parallel testing, and comparewise testing.
- Monitor and report device's network-elements during production enablement and smoke testing.
- Draft technical design and procedural documents. Collaborate on code design reviews.
- Participate in rapid development using scrum methodology, and assist in continuous improvement in project's processes.
- Assist on code defects analysis and code review meetings.

HCL Americas Inc.   *Frisco, TX*
DEVELOPER   *Feburary 2022 - Present*
- Provide support in specialize technology areas such as requirements/specifications definition, analysis, assessment, planning, design, development, integration, testing, installation, performance tuning, deployment and/or maintenance.
- Design, develop, test, deploy, maintain and improve software.
- Manage individual project priorities, deadlines and deliverables.
- Write design documents and participate in design reviews.
- Collaborate with experience teams to improve develop tooling.
- Optimize develop systems for performance and reliability.
- Provide solution-based on technical documents and business requirements.
- Develop functions, scripts, store procedures and triggers to support application development.
- Ensure data integrity and quality.
- Use applicable methodologies, modeling/estimating techniques, tools, applications, systems, software and/or databases to perform assign tasks.
- Comply with the standard and organization requirements relative to specific assignments.

Aleks Omega, LLC.   *Cedar Hill, TX*
PROJECT MANAGER INTERN   *January 2021 - May 2021*
- Create and manage plans, SDLC documents, schedules and forecasts using Jira web application.
- Respond timely communications on the impacts of the project changes and decisions.
- Manage a software development team using agile methodology practices to develop windows-based applications using python, and MYSQL for an automated, statistical reporting (Linear Regression). This application's purpose is to generate historical bid data.
- Resolve project issues, mitigate risks, and manage change requests throughout the development.
- Implement new processes for continuous improvement.
- Furnish and provide project progress reports to the development team, and executive board members.

SOFTWARE ENGINEERING INTERN   *August 2020 - January 2021*
- Develop dynamic and interactive website (aleksomega.com) using WordPress tools that ensure high traffic, page views, and maximize user experience.
- Monitor data traffic between web application site and data analytic properties.
- Handle and maintain contractor's and customer's data from a database through WPForms.
- Design, develop and deploy two machine learning software programs for business and civil engineering applications. Both software applications are develop in Python and compile on Microsoft Windows platform.
- Support the high level design and testing of business systems software through iterative software development lifecycle which includes design through coding, testing, and integration.
- Prepare detailed reports concerning software project specifications and activities.
- Collaborate with team members to create applications system analysis based upon user's requirements.

Skills

Technical Skills: Java, HQL, C/C++, Groovy, Python, Bourne shell, GNU bash, HTML, XML, SQL, Git, Unit Testing, Integration Testing, Production Parallel Testing, Performance Testing, JSP, Java Servlets, JavaScript, AngularJS, MVC, and Microservices Application .

Software Tools: Cassandra dbeaver, TeraData, IBM Data Studio 4.1.3, Junit, JPA, Slack, MySQL Workbench, MySQL Developer, Bootstrap framework, Spring framework (STS), Spring Boot, Cucumber framework, Microsoft Azure Cloud, SonarCloud, Cloudinary, Stripe Payment API, Github actions, Jenkins, Kibana with ELK stack, Splunk, Kubernetes, Mockito unit testing framework, Karma/Jasmine, Postman, Swagger API, OKTA, Log4j, Java Hibernate, Maven, Atlassian Jira, Atlassian Confluence, Eclipse IDE, Netbeans IDE, IntelliJ IDE, Visual Studio Code, Docker, Git Desktop, GitHub, BitBucket, Gitlab, Putty, SuperPutty, Notepad++, Unix Shell, Windows Command Prompt, and Bash .

Soft Skills: Communication skills, problem solving skills, teamwork capability, self-management, time management, cultural awareness, empathy, Integrity/Honesty, Waterfall, Agile, Spiral, Scrum, RAPID, TDD, BDD, and project managment.

Licenses & Certifications

CERTIFICATIONS

2022   **ADvantage Code-ADC-Practitioner**, HCLTECH   *Frisco, Texas*

Education

University of Texas at Arlington
BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING
- GPA: 3.101

Arlington, TX.
December 2021

University of Texas at Arlington
BACHELOR OF SCIENCE IN CHEMISTRY
- GPA: 3.101
- Contributor to a academic journal: Solid-phase N-terminal peptide enrichment study by optimizing trypsin proteolysis on homoarginine-modified proteins by mass spectrometry.

Arlington, TX.
May 2013

Tarrant County College District
ASSOCIATE OF ARTS AND ASSOCIATE OF SCIENCE
- GPA: 3.80
- Member of Phi Theta Kappa Honor Society.
- TCCD Deans list for Spring 2009 and Fall 2009.

Arlington, TX.
December 2009, May 2010