Terry J. Hardin

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CAREER SUMMARY

- Executive Principal Engineering and Solution Architecture Leader with 20+ years of experience and a proven background operating at the Vice President level for both startups and Fortune 100 companies, ensuring success throughout all phases of complex, high-profile technology initiatives from greenfield through maturity

- Responsible for leading teams of upwards of 30 on- and off-shore developers spanning India, Ukraine, and Mexico, consistently providing mentorship to influence cohesion

- Identified roadmap and critical path to resolve scalability and reliability issues identified with the onboarding of larger customers, including significantly improving data import speeds from 20 minutes for 20K records, down under 20 minutes for 1M records, representing a 5000% improvement

- Retained to aid in porting technology acquired by Charles Schwab from an acquisition by evaluating existing systems and begin migrating those systems from the acquisition into official Schwab Systems in AWS

- Performed as a consultant and served on-site at Microsoft Corporate Headquarters in Redmond, Washington, collaborating with users, managers, and development teams while defining requirements and leading design, architecture, implementation, and testing for a quality project, migrating an on-prem prototype into a fully functional production version in the Azure Cloud

CORE COMPETENCIES

- Senior Development | Architecture
- Critical Thinking
- Strategic Planning | Execution
- Relationship Building | Communications
- Team Leadership
- RDBMS | NoSQL | Data Warehouse
- REST | SOAP
- Microservices | SOA | N-Tier
- AWS | Azure Cloud Development
- High Availability | Disaster Recovery
- Automated and Performance Testing
- .Net Framework | .Net Core
- C# | Python | Java
- React | Angular UI Development
- Startups | Fortune 100 Enterprises
- SAFe | Agile | Waterfall
- Passionate Hands-On Polyglot

PROFESSIONAL EXPERIENCE

VERTEX INC – KING OF PRUSSIA, PA (REMOTE)

Lead Developer | Solution Architect: e-Invoicing — November 2022 – May 2023

- Recognized to oversee a new greenfield, flagship product, an e-Invoice solution, and leading development (Microservices), infrastructure and deployment (AWS), Security, and Automated Testing (Python 3 / Selenium) up to preproduction.

- Responsible for leading teams of upwards of 30 on- and off-shore developers spanning India, Ukraine, and Mexico, consistently providing mentorship to influence cohesion

- Single-handedly implemented the deployment repository (Helm Charts) via GitHub Actions for the build/test including Checkmarx and SonarQube, ArgoCD, and Kubernetes (EKS), including all necessary database, secrets, s3 bucket creation, for Dev and QA, allowing the UI to finally connect to real API services, which was important for demonstrations to clients

- Utilized expertise to work with all stakeholders to properly plan, design, implement, and test new mission-critical products with tight deadlines while maintaining high quality

- Technology: .Net Core 7, C#, Entity Framework, Docker, Artifactory, NuGet, ArgoCD (Helm Charts), GitHub (Actions), AWS (S3, RDS Aurora, EKS, SQS, Secrets Manager, IAM, ElastiCache), React, Python, Selenium, XML/XSL(T), OAuth, Node JS

Principal Software Engineer: Global Compliance — March 2022 – November 2022

- Identified roadmap and critical path to resolve scalability and reliability issues identified with the onboarding of larger customers, including significantly improving data import speeds from 20 minutes for 20K records, down under 20 minutes for 1M records, representing a 5000% improvement

- Technology Stack: Jenkins, AWS (EC2, S3, ALB, SQS, RDS SQL Server, SQS, Secrets, IAM, Param Story), Snowflake, Beanstalk, React MFE .Net Framework 4.7, Entity Framework, Python, Selenium, Node JS

Consultant: Global Compliance — August 2021 – March 2022

- Retained as a consultant to work for the world's leading automated tax software company on the flagship product VAT Global, providing online e-Invoicing Tax preparation and tax authority submission services; product was 6 months MVP before joining and the first task was working with Product Management to identify which new features to add to the MVP in priority

- Single-handedly designed and implemented several custom features for VAT Global product, with one of the most important features being the creation of usage metrics and reporting, allowing the company to bill customers based on actual usage for more customized and preferrable pricing models and making it easier for the customer to estimate on volumes

- Technology Stack: AWS (EC2, S3, ALB, SQS, CloudFront, RDS SQL Server), .NET Framework 4.7, React MFE, Node JS

CHARLES SCHWAB – NEW YORK, NY (REMOTE)
Consultant: Personalized Investing Web   *November 2020 – June 2021*

- Retained to aid in porting technology acquired by Charles Schwab from an acquisition by evaluating existing systems and begin migrating those systems from the acquisition into official Schwab Systems in AWS
- Utilized Windows expertise to oversee a project migrating multiple Java microservices following an acquisition, addressing the issues of all developers working on a Mac and coming into the Charle Schwab Windows environment, getting employees up and running locally on their dev environments, all while maintaining compatibility for both environments
- Technology Windows, Linux, MacOS, Stack: Java, J2EE, Spring Boot, Hibernate, Gradle, Maven, Groovy, AWS (EC2, SQS, IAM, S3, RDS), JQuery, Mustache, Zookeeper, Artifactory, and Bitbucket

BANK OF AMERICA – JERSEY CITY, NJ (ONSITE)
Vice President / Programmer: Electronic Trading Risk   *October 2016 – May 2020*

- Responsible for leading teams of on- and off-shore developers spanning India, Ireland, and the East Coast, with many team members possessing little to no knowledge of Python and Angular, ensuring team was up to speed through mentorship
- Single-handedly designed the Python system to import hundreds of Excel files into the proper tables and structures in SQL Server, including designing and implementing the respective tables in the database, migrating all user data into the system
- Functioned as a developer for Production Support for releases to production, directing the administrators in the execution of scripts, backups, code retrieval from repositories, and the execution of encryption and end-to-end security

Consultant: Lead Developer   *November 2015 – October 2016*

- Partnered with project managers and business analysts to understand requirements and timelines while also evaluating and recommending strategic solutions, ultimately leading the implementation and testing of the product
- Directed teams to design and develop architecturally sound custom applications, as well as implement and integrate with SQL Server and MicroStrategy for reporting
- Enhanced the website portal with new features developed in HTML, CSS, JavaScript, Bootstrap, and prototype.js

MICROSOFT CORPORATION – REDMOND, WA (ONSITE)
Consultant: Azure Cloud Solutions Architect   *June 2014 – August 2015*

- Performed as a consultant and served on-site at Microsoft Corporate Headquarters in Redmond, Washington, collaborating with users, managers, and development teams while defining requirements and leading design, architecture, implementation, and testing for a quality project, migrating an on-prem prototype into a fully functional production version in the Azure Cloud
- Directly responsible for building a service offering based on the Microsoft Azure platform, utilizing Azure Queues, Table Storage, Blob Storage, SQL Azure, and both Worker and Web roles to automate testing and quality functions within the organization; other tools included Visual Studio and Team Foundation Server (TFS)

ADDITIONAL PROFESSIONAL EXPERIENCE

Alexanders – Developer, NopCommerce Migration for a printing company storefront
SirsiDynix – Solution Architect, Product Owner, e-Resource Central for eBooks and Libraries
Microsoft (Niche Cubed) – Lead Developer Support Engineer for Azure Developer Support
Venture Industries – Co-Founder / CIO for an online video conferencing software
Citibank – Vice President of Internet Development for white label, international customer portal
Merck-Medco | Medco Health Solutions – Solution Architect, Lead Developer Automated Pharmacy Security
Complete Data Solutions – Senior Software Developer, consulting for The Bureau of National Affairs in DC
Intra-Light Software Development – Applications Developer for a Product useful to Fuel Distribution companies

EDUCATION

University of Phoenix – *Bachelor's Degree in Computer Science / eBusiness (3.93 GPA)*

FEATURED TECHNOLOGY STACK

Languages: *C# | Python | Java | JavaScript | Typescript | SQL | XPath | XSL(T) | Regular Expressions*
Frameworks: *.Net Core | RESTful Web APIs | SOAP | .NET Framework | Entity Framework | Django | React | Angular | NUnit/XUnit | SpecFlow/Behave (Cucumber) | JQuery | Bootstrap | Jasmine | Node JS | NPM | Spring Boot | OpenAPI | Swagger*
Databases: *SQL Server | Azure SQL | AWS RDS (MySQL, PostgreSQL, SQL Server) | MongoDB | Redis | Oracle*
Tools: *Visual Studio | VS Code | Eclipse | PyCharm | IntelliJ IDEA | Git (GitHub and BitBucket) | SVN | Jira | Confluence | Align | MS Office (Excel, VBA, Access, Word, PowerPoint) | Draw.io | MS Teams | PowerShell |*
DevSecOps: *GitHub Actions | Docker | ArgoCD | Kubernetes| Terraform | Artifactory | Jenkins | Ansible | Checkmarx | SonarQube | IAM*