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**.Net Developer**

**OPTIMIZING PERFORMANCE AS A STRATEGIC WEB DESIGNER & DEVELOPER**

**Strategic and creative website developer delivering highly impactful websites while serving as both a developer and technical lead,** leveraging strong technical acumen to achieve strategic solutions and drive operational improvements. Extensive exposure to cutting-edge web development technologies, software development, and project management consistently meets tight deadlines and maximizes team performance, complemented by a working knowledge of artificial intelligence (AI) prompt engineering as a tool to enhance programming efficiency and a basic understanding of neural network concepts.

**▪▪▪ Key Strengths**

Website Design & Maintenance

Software Development

Project Management

Information Technology

Revenue & Profit Growth

Database Design

Training & Development

Team Leadership

Time Management

**▪▪▪ Experience**

### department of the army, *Picatinny Arsenal (Civilian)* *2023 – Present*

***Technical Lead***

Led key initiatives to modernize and enhance software development practices, focusing on architecting scalable solutions, streamlining development processes, and fostering a collaborative and skilled development team. Spearheaded the adoption of innovative technologies and methodologies, significantly improving project outcomes and operational efficiency. Actively engaged in mentoring developers, leading by example to promote a culture of continuous learning and innovation.

* **Architected a comprehensive n-tier template and spearheaded migration efforts to Army Azure;** designed a scalable API, application, and data access layer template for future development, facilitating a seamless transition of applications to Army Azure. Assisted developers with Azure Virtual Desktop (AVD) access and Git configuration setups, ensuring smooth adoption of cloud-based technologies.
* **Developed a multifunctional library and unit testing framework;** reengineered a new library that includes a sophisticated C# project acting as an intermediary between the application and API. This project utilizes the repository pattern to manage REST calls, efficiently managing data transactions between the API and the application. Additionally, introduced a unit test sample project using xUnit, enhancing code quality and project reliability.
* **Enhanced team collaboration and professional development;** created centralized repositories for information and documentation access, fostering collaboration and knowledge sharing within the development team. Conducted frequent training sessions and distributed reference materials on modern design principles, including repository patterns, unit of work patterns, and SOLID principles, thereby strengthening the team’s capabilities and adherence to best practices.
* **Delivered strategic leadership and guidance during a comprehensive cloud migration to Army Azure;** implemented SonarQube-based continuous code remediation to ensure compliance with application STIG requirements and trained the team on end-to-end pipeline processes to maintain robust security standards. Collaborated extensively with external consultants and internal stakeholders, optimizing deployment workflows through thorough analysis and knowledge sharing.

### Bureau of labor statistics, *Washington D.C. (Civilian)* *2022 – 2023*

***Senior Web Developer***

Led the charge in technological advancement by implementing modern, standardized methodologies for the development of reusable and sustainable web applications utilizing .NET 6 MVC and APIs with Windows Authentication. Engaged directly with end-users to ensure high-quality code delivery and comprehensive documentation, significantly enhancing project deliverables. Additionally, I was instrumental in mentoring other developers on the creation and application of reusable code libraries, significantly boosting the team's development efficiency and fostering a culture of innovation.

* **Developed the department's first proof of concept n-tier application;** enabling a service-oriented architecture (SOA) for future application developments. This initiative laid the groundwork for reusable components, significantly enhancing application scalability and maintainability.
* **Created the department’s new standardized library;** a modular framework designed to streamline future application development efforts. This effort effectively reduced code redundancy and improved maintainability across projects.
* **Implemented a customized user control system for authentication and authorization,** establishing a secure and efficient method for tracking user activity across applications.

### Universal Technical Resource Services, *Picatinny Arsenal, NJ (Government Ctr)* *2015 – 2022*

***Senior Web Developer***

Lead robust strategy for the design, deployment, and maintenance of sites in IIS with service accounts. Manage and maintain several expansive military intranet sites and public-facing sites. Conduct training on developing and maintaining scalable sites utilizing HTML5, CSS3, JavaScript, Bootstrap 4, jQuery 3, ASP.NET, and C#. Create proof-of-concept sites for the commanding general. Build CSOM and JavaScript Rest API based SharePoint web applications. Address the needs and interests of all customers and collaborate cross-functionally to maximize results.

* **Created and executed first-ever functionality that allowed efficient tracking of individual users visiting applications on new server set up;** this was achieved by pulling user information from server headers and storing content in user object within the applications’ session pipeline.
* **Designed Oracle JSF application in collaboration with team members while holding little experience in front-end framework;** quickly gained knowledge of framework through extensive research to achieve desired results, **driving ample customer satisfaction.**
* **Streamlined operations by improving the ability to track projects through the TFS portal utilizing Git;** studied TFS web portal to achieve a successful project management solution.
* **Led the conversion of Oracle Java / JSF Trinidad application to ASP.NET MVC** leveraging advanced expertise in REST API Web Services; **trained team members in .Net MVC utilization and concepts;** converted Oracle JSF / Java to Bootstrap 4 ASP .NET MVC application with an API layer.

### National Kitchen & Bath Association, *Hackettstown, NJ* *2014 – 2016*

***Web Developer***

Collaborated across multiple comprehensive projects within a fast-paced technology department. Performed application development and conducted efficient testing utilizing advanced knowledge of HTML / CSS – ASP .NET, TFS, and SQL Server. Managed user accounts and constructed custom modules. Oversaw content management system (CMS).

* **Drove significant business growth for the company by extending web development services to multiple small businesses as proof of concept;** successfully revamped, improved, and showcased two low-end sites.
* **Created customized user controls in Sitefinity, allowing the marketing team to take ownership and accountability of press releases;** employed built-out user interface to incorporate and publish content for clients; this allowed boss to focus on other aspects of the business.
* **Designed robust Intranet site for staff employing extensive knowledge of IIS;** executed high-quality training on the Aptify database system (front-end)

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**▪▪▪ Education**

**MS: COMP INFO SYS CONC. SOFTWARE DEVELOPMENT ▪** *Bellevue University, Bellevue, NE* 2022

**BS: WEB DEVELOPMENT ▪** *Bellevue University, Bellevue, NE* 2020

**AAS: COMPUTER SCIENCE ▪** *County College of Morris, Randolph, NJ* 2014

**▪▪▪ Certifications**

**CompTIA Security+ ▪** *(SYO-601)* 2024

**Microsoft Certified: Azure AI Fundamentals 900** In-Progress

**Microsoft Certified: Azure AZ Fundamentals 900** In-Progress

**▪▪▪ Technical Inventory**

|  |  |
| --- | --- |
| **Natural Language Processing (NLP) & AI Concepts:** | NLTK, Stopword Removal, pdfminer.six |
| **Web & Application Frameworks:** | ASP.NET Web Forms/MVC, .NET Core - 8, Oracle JSF Trinidad Framework, NodeJS, ExpressJS, Spring Boot, Thymeleaf, Flask, Streamlit |
| **Cloud & Deployment:** | Microsoft Azure (Army Azure, Azure Virtual Desktop), Render, Streamlit Cloud, GitHub Actions, Git |
| Operating Systems: | Windows, UNIX, Digistar4, Android OS |
| **Client-Side:** | HTML5, CSS3, JavaScript, jQuery, Typescript, Twitter Bootstrap 3 - 5, AJAX, XML, JSON, KnockoutJS, PUG, EJS, SCSS, Angular Material, Flexbox, Angular |
| **Server-Side:** | Java, C#, VB.NET, ASP.NET Web Forms/MVC, .NET Core, Classic ASP, ADO.NET, Entity Framework/Core, AJAX, LINQ, Python |
| **Web Services:** | REST, SOAP |
| **Database:** | SQL Server, MySQL, MongoDB, Oracle |
| **Development Tools:** | Visual Studio 2008–2022, VS Code, NetBeans, Dream Weaver, Eclipse, Git, Team Foundation Server, Fiddler 4, NPM, SOUP UI, SharePoint Designer, ShareGate, PyCharm, SonarQube, CheckMarx |
| **Testing Frameworks** | xUnit, MS Test, jUnit |
| **Web Servers:** | IIS |
| **CMS:** | Telerik Sitefinity, WordPress, SharePoint 2010–2016, DotNetNuke |
| **CRM:** | iMIS, Aptify 5.5.3 |

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**▪▪▪ Portfolio / Work Samples**

**\*\*AI / Machine Learning Project -- Resume Keyword Scanner\*\***

[GitHub Repo] ([Link](https://github.com/erniephillips/ai-python-resume-keyword-scanner))

[Live Demo (May take up to 2 minutes to load)] ([Link](https://ernie-phillips-ai-python-resume-keyword-scanner.streamlit.app/))

**Website College Projects**  **National Kitchen & Bath Association**

<https://erniephillips.github.io/allthingsandroid/> <https://nkba.org/>

**ERNEST PHILLIPS III**

**Android College Projects** **CCDC AC Public Site**

<https://github.com/erniephillips/allthingsandroid-AndroidApp> <https://ac.ccdc.army.mil>

<https://github.com/erniephillips/weightapp-with-login-AndroidApp>

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