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Michael Coupland

I am a senior .NET (C#) applications developer and veteran of the USAF.

My career started with my Air Force service. I worked in intelligence and held a TS/SCI security clearance – the highest level of classified information in the US.

For the past 12+ years, I have been working as a software developer - using C#, WPF, WinForms, LINQ, and Entity Framework to architect, design, create, and maintain performant, beautiful, user-friendly, event-driven Object-Oriented applications. I also have a background in website development using Python, PHP, MVC and frameworks such as Drupal, WordPress, and Django.

I am extremely proficient with relational database servers including Microsoft SQL Server, MySQL, and PostgreSQL. I have expertise in database administration, schema design, performance tuning, and software development via code and multiple ORMs.

For the past 6+ years, I have worked in an Agile team environment. Prior to that, I worked in a variety of SDLC paradigms including Waterfall, Incremental, TDD, RAD, and XP. In those environments, I have used a variety of VCS systems, VSCS, GIT and TFS to name a few.

I am comfortable working in any development environment and have strong experience with Windows, as well as experience with Linux Distributions, IIS, and Apache. I am well-versed in installing, and configuring, logging and testing tools as well as miscellaneous proxies, plugins, and components required to create performant, secure, and maintainable websites.

My personal interests include tinkering with anything mechanical, camping and off-roading. I am a Veteran, a volunteer, a mentor, and a team player.

Technology Summary

Languages

C#, SQL, Python, VB.NET

OS and Web Servers

Windows, RHEL, CentOS, Debian, IIS, Apache, Bottle, Flask, and nGinx

Web Technology

React.js, Bootstrap, CSS, jQuery, JSON, JavaScript, Drupal, WordPress, Semantic HTML, and RESTful APIs

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Tools

Visual Studio, Git, Jenkins, JIRA, Eclipse, Linters, NuGet, apt-get, yum, brew, PIP, TFS, VS Unit Test, WinSCP, and Putty

Lifecycle Patterns & Philosophies

CI/CD, OOP, Dependency Injection (DI), Inversion of Control (IoC), Code-First, Data-First, OOP, MVC, and nTier

Database Servers & Tools

SQL Server, MySQL, PostgreSQL, SQL Server Management Studio, phpMyAdmin, T/SQL, PLpg/SQL, Entity Framework, Entity Spaces, LINQ to SQL, SQLAlchemy, and Active Record based tools

Employment History

NIKA Solutions, Apr 2024 – Present

Senior Application Developer

- Develop, code, test, debug, and document applications systems
- Provides information, analysis, and ad hoc support or training for DHA FE leadership and staff
- Develop technical designs and procedures for new or revised applications
- Perform tuning and maintenance of applications and interfaces
- Participate in various design projects from concept to completion
- Provide responsive design solutions to help build the optimal user experience

American Warranty Group, LLC 2019 – 2024

Senior Software Developer

- Performed day to day maintenance, new feature implementation, and data migration of three distinct enterprise insurance servicing platforms
- Maintained and used azure pipelines for all development products
- Integrated multiple 3rd party APIs and web services for, among others, payment processing, VIN decoding, and contract imports
- Wrote numerous desktop applications to support the development team, accountants, and customer service representatives
- Created test cases, feature and workflow documentation, and developer standards and guidelines

San Antonio Credit Union 2017 – 2019

Lead Developer

- Supervised and mentored six-member cross-functional developers
- Espoused and instituted industry best practices where possible
- Performed code reviews and approved all code releases
- Wrote C# app to take extract of ticketing system to create user-definable reports
- Wrote C# app to identify employees, managers, and business units
- Wrote C# app to generate monthly PDF reports based on ticketing system extracts
- Wrote Power On (proprietary implementation of PL/1) library to implement common string, numeric, and array functions

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    - Worked on tickets for reports, data extracts, and parameter management using Power On, HTML, CSS, and jQuery
    - Debugged and fixed issues with existing codebase

Rackspace 2013 – 2016

Software Engineer III, IV

Agile, Python, PostgreSQL, Bottle, nGinx, PEP8, Standardization, Documentation, Presentations, Mentorship, CentOS, Debian, RHEL, Agile, jQuery, CSS, HTML, JSON, Splunk, JIRA, Jenkins, Lisp, Clojure, Erlang, NoSQL, neo4j, Lighttpd, flask, RoR,

- Daily work consisted of Python development - maintaining and enhancing CORE, Rackspace's flagship website for provisioning servers and managing customer relationships.
- Participated in daily Standup and bi-weekly SCRUM meetings, ensured meetings adhered to Agile specifications
- Researched, documented, and delivered presentations regarding technologies outside of the Rackspace ecosystem, including Lisp, Clojure, Erlang, NoSQL, flask, Bottle, nGinx, neo4j, Lighttpd
- Delivered "Lunch & Learn" peer presentations on topics from best practices to IT history
- Mentored five entry-level developers – addressed personal as well as professional needs through a personal, informal process that resulted in a promotion for developer who had been stuck in a junior position for 5 years
- Guided junior developers through the process of getting management approval, team buy-in, and creating processes to institute unit testing via pyTest and standardized development conventions via Flake8 and secure practices, an integral part of the team development process
- Worked with team on major PCI DSS initiative upgrading Python 2.1 to 2.7 and PostgreSQL 9.1.22 to 9.3
- As part of the PCI initiative, I created a peer review checklist that included reviews for common security vulnerabilities, including XSS, CRSF, JavaScript, and SQL Injection
- Participated in a two-month initiative to update the CORE website to incorporate i18n and the UTF-8 character set, resulting in improved global customer relations and satisfaction

Affiliations and Accomplishments

AWS Technical Professional Training

AAS Computer Science, Community College of the Air Force

PCI DSS Training

Linux Essentials

Introduction to Linux Academy

Volunteer, Austin Pets Alive!

Animal Defense League of Texas

Board Member, Rackspace Foundation

Board Member, RackVET

Red Cross volunteer, Disaster Action Team

Korean Linguistic Studies, Defense Language Institute

Air Force Achievement Medal, 3rd Oak Leaf Cluster for ACP

Featured article in Government Computer News for AMS