Norman Alwin Benjamin

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Career Objective

Experienced software developer consultant with over two decades of expertise in developing, deploying, and managing solutions across both Windows and Linux environments. I specialize in full-stack development, server configuration, and system integration, using a wide array of technologies to build scalable, secure, and efficient software systems. I am dedicated, self-driven, and passionate about delivering innovative solutions that exceed client expectations, with proven experience in open-source software management, database development, and cloud computing.

Areas of Expertise

- **Server Administration**: Advanced administration of Windows and Linux servers, including custom deployments and configurations.

- **Application Development:** Proficient with MonoDevelop, Eclipse, NetBeans, Microsoft Visual Studio, and VSCode.

- **Graphic and Office Tools:** Experienced with Inkscape, GIMP, Adobe Photoshop, Adobe Illustrator, Microsoft Office, Open Office.

- **Operating Systems:** Deep knowledge of both Windows and Linux environments (specializing in RedHat/Rocky Linux).

- **Network Simulation & Testing:** Skilled in OPNET Modeler 15.0, GNS3, and Apache JMeter for load testing.

- **Cloud Computing:** AWS (VPS, EC2, Lightsail), Linode, Salesforce, HelloSign, and cloud-based management.

- **Mobile Development:** Cross-platform mobile application development using Xamarin for Android and iPhone.

- **Learning Management Systems (LMS):** Extensive experience in Moodle (installation, migration, plugin development) and Brightspace.

• **Programming Skills**:

Languages	Experience (Years)	Proficiency
C#	15	Advanced
.NET API	15	Advanced
ASP.NET	15	Advanced
.NET Core	8	Advanced
T-SQL	15	Advanced
MariaDB/MySQL	15	Advanced
JavaScript	12	Advanced
CSS, HTML, JSON	12+	Advanced
jQuery	12	Advanced
Classic ASP	8	Advanced
Bash Scripting	20	Advanced
PHP	5	Intermediate
Prolog, Haskell	5	Intermediate
C, C++	5	Intermediate

Servers Deployed

- **GIS Server:** Deployed for GIS services at Belize City Council.

- **Elastic PBX:** Installed PBX systems for internal communication management.

- **Postfix Mail Server:** Set up with a Roundcube interface for email services.

- **WordPress Server:** Fully deployed and managed MariaDB and Apache-based WordPress installations.

- **Moodle Server:** End-to-end setup of Moodle learning management system with MariaDB and Apache.

- **Redmine Project Management:** Implemented Redmine server for project tracking and collaboration.

Professional Experience

Software Developer Consultant (Self-Employed)

November 2011 – Present

- Provide full-stack software development and consultancy services for a variety of clients.
- Expertise in designing and implementing enterprise-level systems, web applications, and server solutions across multiple platforms (Windows, Linux).
- Develop custom software using C#, ASP.NET, and .NET Core for both web and desktop applications.
- Configure, deploy, and manage Linux-based servers including Apache, MySQL, Postfix, and Moodle.
- Deliver custom integrations, data migrations, and API developments for platforms such as Salesforce, QuickBooks, and various banking payment gateways.

MIS Manager – Belize City Council

March 2011 – April 2017

- Managed the IT infrastructure and development initiatives for Belize City Council.
- Oversaw the configuration, deployment, and management of servers, databases, and web applications on both Linux and Windows systems.
- Led software development projects including the deployment of GIS, Moodle, and PBX servers.

Computer Programmer – 3D Technologies

October 2010 – March 2011

- Developed enterprise applications using .NET Framework and C#.
- Worked on database-driven solutions using MySQL and SQL Server.

Senior Technician – Belize Electricity Limited

Summer 2007

- Managed technical aspects of the company's IT systems, ensuring system stability and performance.

Additional Technical Roles

- **Computer Technician** – Sunsplash Digimart Limited (2002 – 2003)
- **Technician** – Land Data, Associated Engineering Service Ltd., Tenchtronics Communications (Various)

Systems Developed

- **Election and Boundaries Database Management System:** Managed elector data using C# and .NET 4.5 Framework with MySQL DBMS on a Linux platform.

- **Central Building Authority Database Management System:** Handled building plan data using C# and MySQL, deployed as a web application on Linux.

- **Raspberry Pi Kiosk App:** Developed QR code-based attendance system using .NET Core and MySQL, with database synchronization to Microsoft SQL.

- **Belize City Council:** Integrated driver's license renewal blockages and online property tax payments using C# and SOAP APIs on Linux.

System Integrations

- **Moodle & SQL Integration:** Developed custom solutions for syncing data between Moodle and SQL databases (C#, PHP).

- **Moodle Custom Plugin:** Create plugin to send data from Moodle to SQL database. (PHP)

- **DropBox Sign to SQL:** Automated document signing and SQL data insertion using Drop Box Sign API.

- **QuickBooks, Salesforce, and Active Directory:** Created automation tools for account and record creation based on SQL data (C#, Windows Forms).

- **Brightspace & SQL Integration:** Update Brightspace database using SQL database. (C#)

- **Azure & SQL Integration:** Create Microsoft accounts from data in SQL database. (C#)

- **Gmail & SQL Integration:** Create Gmail accounts from data in SQL database. (C#)

- **Payment Gateways**: Integrated several payment processing APIs, including Atlantic Bank, PayPal, AuthorizeNet, CashNet, Braintree, Orbipay, FlyWire, Evertec and others using C#.

Education

Master of Science in Computer Science – Distinction
University of the West Indies, Kingston, Jamaica
2007 – 2010

Thesis: Performance of Wireless Sensor-Based Mesh Networks for Health Applications.

Publications:

Performance of Agent based Wireless Sensor based Mesh Network for Health Care, Accepted in the 8th IEEE International conference on Computer Information Systems and Industrial Management, Coimbatore, Chennai, 9-11, December 2009. Pp. 1653-1656. ISBN: 978-1-4244-5612-3.

Performance Study of Hierarchical agent based Patient Monitoring Wireless Body Sensor Mesh Networks, Communicated to International Journal of Embedded systems and Computer Engineering, Serials publications, December 2009. Pp. 59-70. ISSN: 0975-4482.

Failure Performance Study of Hierarchical agent based Patient Health Monitoring in Wireless Body Sensor Mesh Networks, Accepted in IEEE International Conference on Advances in Computing, Control and Telecommunication Technologies, Trivandrum, India, 28-29, December 2009. Pp. 85-87. ISBN:978-0-7695-3917-7.

Bachelor of Science in Computer Science
University of the West Indies, Kingston, Jamaica
2003 – 2007

Associate Degree in Computer Information Systems
St. John's College Junior College, Belize City, Belize
2000 – 2002

Associate Degree in Mechanical and Electrical Engineering
University of Belize, Belize City, Belize
1998 – 2000