

Nanda Bala N Rangan

Synopsis

- Over 21 years of experience in requirements gathering, analysis, design, testing, documentation, and deployment of full life-cycle, real-time complex multi-tier applications.
 - Expertise in web application development using HTML, CSS, Bootstrap, JavaScript, AngularJS, and Angular.
 - Hands-on experience in creating Angular modules, controllers, directives, filters, and UI-Router.
 - Proficient in writing and updating technical documents.
 - Strong business communication and customer interaction skills with experience in project planning and schedule management.
 - Confident, responsible, and highly self-motivated team player.
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Technical Expertise

- **Web Technologies:** HTML, CSS, Bootstrap, JavaScript, AngularJS, Angular
 - **Programming Languages:** JAVA, C#, VB.NET, C++, Visual Basic 5.0/6.0, ASP 2.0, VFP 3.0-9.0, COBOL, PASCAL
 - **Testing Tools:** Jasmine, Karma
 - **Databases:** MySQL, MS SQL Server, MS Access
 - **Version Control Systems:** Git, SVN
 - **Other Tools:** Rational Tools (ClearQuest & ClearCase), UML, MS Project, Visual Build
 - **Installation Languages:** InstallShield, Wise Installer
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Certifications

- PMP Bootcamp: Obtained 35-hour PDU certificate; preparing for PMP certification exam (October 2024).
 - AWS Solutions Architect Certificate (February 28, 2022).
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Awards

- Received multiple in-house awards for exceptional performance.
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Academic Pursuits

- **Masters in Computer Applications (MCA)**
Bangalore University, Bangalore, India – First Class
 - **Bachelor of Science (B.Sc.)**
Bangalore University, Bangalore, India – First Class
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Projects Worked On

PitneyShip Pro (Jan 2019 – Jul 2021)

- A web application for printing stamps, envelopes, and labels across various markets like the US, Canada, UK, and Germany.
- **Responsibilities:**
 - Collaborated with programmers and UX designers for requirement analysis.
 - Built reusable code libraries, optimized application scalability, and prepared test plans.
 - Worked in Agile methodology and managed code using Polyrepo.
- **Environment:** HTML, CSS, Angular, GoLang, Git, Agile, LaunchDarkly

SendPro Online (Jan 2019 – Jul 2021)

- A web and standalone desktop application supporting shipping and mailing functionalities for the US market.

- **Responsibilities:**
 - Developed Single Page Applications (SPAs) using AngularJS.
 - Digitally signed C++ applications to support Mac.
 - Created new user interfaces and implemented additional features.
- **Environment:** HTML, CSS, AngularJS, C++, JAVA, MySQL, Git, Agile

SendSuite Xpress (SSX) (Mar 2015 – Dec 2018)

- A desktop application for generating shipping labels for USPS, UPS, and FedEx.
- **Responsibilities:**
 - Client interaction, requirement gathering, and implementation of business logic.
 - Enhanced middle-layer communication using C#.
- **Environment:** C#, XML, Visual FoxPro

TrackMyMail (Nov 2003 – Jun 2004, Jan 2007 – Dec 2008)

- Supported mail industry initiatives for making mail pieces unique and trackable.
- **Responsibilities:**
 - Developed UML use case diagrams and prepared project timelines using MS Project.
 - Created installation setups using InstallShield.
- **Environment:** Windows XP Pro, C++, VB6.0, VFP 8.0, InstallShield

Standalone Printing Subsystem (Jan 2002 – Dec 2008)

- Graphics program for creating envelope and label layouts with barcodes.
- **Responsibilities:**
 - Developed barcode features and installation scripts.
 - Coordinated with build teams for product releases.
- **Environment:** Windows 2000, C++, InstallShield

Smart Mailer & Forward Track Internet Interface (Jun 2000 – Dec 2008)

- Address management and mail tracking solution for reducing mailing costs and managing address databases.

- **Responsibilities:**
 - Conducted system analysis, XML data processing, and unit testing.
 - Coordinated with developers, testers, and build teams for deployment.
- **Environment:** Windows 2000, C++, VB6.0, VFP 6.0/8.0, XML

BRASS (Branch Computerisation System) (Apr 1999 – May 2000)

- Integrated system for deposit, debenture, and hire purchase with three-tier architecture.
- **Responsibilities:**
 - Managed discovery, requirement analysis, and database design.
 - Tuned SQL Server stored procedures for better performance.
- **Environment:** Windows NT, Visual Basic 6.0, SQL Server 6.5

Documentation System (Feb 1999 – Mar 1999)

- Automated document handling system with business logic implemented through stored procedures.
- **Responsibilities:**
 - Designed and developed core modules and reports.
 - Conducted extensive debugging and unit testing.
- **Environment:** Windows NT, Visual Basic 5.0, MS SQL Server 6.5

Deposit System (Feb 1998 – Jan 1999)

- Managed deposits and statutory reports for compliance with regulatory bodies.
- **Responsibilities:**
 - Developed modules for interest monitoring, reconciliation, and audit reporting.
 - Conducted system deployment and testing.
- **Environment:** Windows 95, Visual FoxPro 3.0

HP/Lease System (Jan 1997 – Jan 1998)

- Comprehensive system for hire purchase and leasing, including transaction entries and automated processes.
- **Responsibilities:**
 - Designed accounting reversal functionalities and client support modules.
- **Environment:** Windows 95, Visual FoxPro 3.0

ICOMS (Integrated Constructions Monitoring System) (Sep 1996 – Jan 1998)

- Financial accounting package for construction companies with features for cash flow management and ledger tracking.

- **Responsibilities:**
 - Handled maintenance and client support for accounting modules.
- **Environment:** MS-DOS, FoxPro 2.5

Asset System (May 1996 – Aug 1996)

- Asset management system for leased asset transfers and depreciation calculations.
- **Responsibilities:**
 - Developed and tested asset tracking modules.
- **Environment:** MS-DOS, FoxPro 2.5

Time Sheet Management System (Feb 1996 – Apr 1996)

- Employee work and leave tracking system with weekly reporting features.
- **Responsibilities:**
 - Developed and tested the application for accurate data handling.
- **Environment:** MS-DOS, FoxPro 2.5