





# NILANJAN NAG

SYSTEMS ENGINEER, INTEGRATOR, AND ANALYST

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In-depth CV: <http://cv.nn-media.com> 

## Overview



With almost 20 years of professional IT experience, I have a proven track record of consistent and high-level performance in challenging and complex environments. My primary focus for the **last 10 years** has been in the **Fintech industry** under multiple roles: **system engineer, integrator, analyst, and project lead**. I compliment advanced technical proficiency with well thought out project design methodology to offer myself as a well-rounded and valuable asset for any company or environment.

## Professional Experience



### D+H Fundtech / Bankserv

San Francisco, CA, USA  
2007-2011; 2013 – 2017

References available upon request.

### FINTECH SYSTEM INTEGRATOR, SYSTEM ENGINEER, PROJECT LEAD

Key technical asset for the Global Funds eXchange (GFX) US Fedwire and international SWIFT payments SaaS product. Initially hired as a system engineer, I eventually became project lead for various high visibility customer integration and internal migration projects.

I was specifically assigned the most high-value and demanding customer-facing projects due to my exceptional success rate and on-time performance. Additionally, I was internally appointed as a subject matter expert in a variety of areas, as well as given project lead assignments for complex server/application migrations.

I have significant knowledge in banking, payment systems, accounting & reconciliation, auditing, KYC/AML/OFAC, as well as advanced database, file system, server, and networking concepts. I have a solid history of combining technical, procedural, and business knowledge to be a standout performer in the Fintech field.

### Technical Knowledge

- Oracle Client / Server
- Oracle SQL Developer (PL/SQL)
- MS-SQL
- Windows Server Systems
- IBM MQ Server / Client
- Visual Studio .NET (Visual Basic)
- VBScript
- Linux CLI / JBoss Server
- VBA (MS Office Programming)
- MS Visio for Flowchart Development
- WMI Hooks & Scripting
- MS Office
- MSHTA
- FTP client / CLI / Server
- PowerShell & DOS Batch Scripting
- cURL, PGP, GPG
- RegEx (CLI, VBScript, .NET)
- JSON, TCP/IP Raw Socket, CSV, XML, EDI, etc.
- Windows HOSTS file, Registry, Services

### Theory and Concepts

- US Fedwire System
- SWIFT & SEPA Payments Systems
- Online Payments & Fintech Concepts
- Banking, Accounting, Reconciliation, Balancing
- Advanced SQL Querying
- Report Generation
- File Monitoring / Batch File Processing
- SAN/NAS/Virtualization Technology
- System Auditing
- Version Control
- Project Design & Management
- Migration Planning
- Benchmark testing, QA, Regression Testing
- Automation Design and Coding
- Disaster Recovery Design & Execution
- Statistical Data Analysis
- Security Standards Compliance (US / Int'l)
- KYC / AML / OFAC Concepts & Practices
- Encryption Implementation & Concepts
- Advanced Data Parsing / RegEx Construction
- Forensic Logfile Analysis / RCA
- Customer Communication Drafting
- Dataset Analysis (Differentials / Merging)
- Training Development and Presentation
- Technical Writing / Documentation
- SaaS Environments Concepts and Best Practice

### UCSF Medical Center IT

San Francisco, CA, USA  
2011-2012

References available upon request.

### IDENTITY & ACCESS MANAGEMENT PROGRAMMER ANALYST

Brought on by the University of California San Francisco Medical Center IT department to automate mass user functions and produce advanced auditing and reconciliation reports. Developed ASP and VB code to hook into the primary Active Directory user database to perform the following tasks: user provisioning, merging, removal, and audit reporting of uncorrelated accounts in an environment which required transformation and matching of custom HR feeds against the Active Directory user database list. Speed optimized code was essential as result set counts often exceeded 10000 records.

Beyond requisite duties, I additionally assisted with client communication authoring, mass user lists form merges, debugging and troubleshooting of existing code, and formalizing business logic for various departmental functions.

### Technical Knowledge

- IIS
- ASP
- Active Directory / Windows Server
- VBScript

- HTML / CSS / JavaScript
- VBA for Word & Excel
- Visual Studio .NET C++ (Debugging)
- MSHTA
- MS Office
- MS Visio

## Theory and Concepts

- IdAM Account Functions
- LDAP / SQL Querying
- HIPPA Regulations and Compliance
- Data Parsing and Transformation
- Regressional Data Analysis
- Project Design & Management
- Customer Communication Drafting
- Datalist Merging / Form Document Generation

### Cardinal Health, Inc.

Columbus, OH, USA  
2004-2007

References available upon request.

## ENTERPRISE IT SPECIALIST & BUSINESS ANALYST

Entering Cardinal Health as a Level I Technician, I was promoted to a business analyst after consistently meeting and exceeding performance goals and receiving management recognition awards. Highlights of my term at Cardinal Health include being assigned subject matter expert on several key health provider applications, being elected to remote site subject matter gathering, and delegated to lead several internal service delivery optimization projects by management.

In addition to leading several business optimization projects, I self-initiated various coding projects which became key tools used by entire support departments to quickly capture, evaluate, and research vital client incident requests and issue reports.

## Technical Knowledge

- Windows Server / Active Directory
- HTML / CSS / JavaScript
- MS-SQL Server
- MS Indexing Engine API
- AS/400 & Mainframe Systems
- MSHTA
- VBScript
- Crystal Reports
- Business Objects / Business Intelligence
- FTP / SSH Client & Server
- DOS Batch Programming & CLI
- WMI
- Windows Registry & Services
- Cisco VPN Server & Client
- IIS
- ASP
- Visual Basic 6 Studio
- MS Office
- MS Visio
- Linux CLI

## Theory and Concepts

- HIPPA Regulations and Compliance
- Auditing
- Six Sigma Methodology
- New Hire Interviewing
- Technical Writing & Documentation
- Regressional Data Analysis
- Dataset Analysis (Differentials & Merging)
- Forensic RCA
- Customer Communication Drafting
- Flowchart Design & Schematics
- Security & Encryption Concepts
- External Process Gathering
- Training Development & Review
- Knowledgebase Development & Administration
- SQL Querying
- Network Diagramming
- Case Management
- Data Projection and Forecasting

### 1 Time Design, LLC, & Freelance

Global  
1999-Present

References available upon request.

## WEB DEVELOPER & ADMINISTRATOR

Since making my first web page in 1999, I have been providing freelance web development services for almost 20 years. I have worked with various startups, small businesses, and entrepreneurs in the greater San Francisco Bay Area, central Ohio, and northeastern Ohio. I have developed sites on different scales as small as single landing pages, up to fully customized shopping cart e-business sites. I continue to study and maintain my web development expertise.

## Technical Knowledge

- Linux / Apache / MySQL / PHP (WAMP Stack)
- HTML5
- CSS3
- JavaScript / ECMAScript
- Authorize.Net API
- FedEx / UPS / USPS APIs
- Google Maps API
- WordPress
- Drupal
- Sendmail
- CPanel
- Cold Fusion
- JQuery, AJAX, GulpJS, Git, NPM, APT
- Foundation & CodeIgniter Frameworks

## Theory and Concepts

- Web Hosting & Reselling
- Database Application Development
- Domain Administration & Management
- DNS Configuration (MX, A, CNAME, etc.)
- Domain, Site, and DNS Migration
- Webform & Email Configuration

## Education

### The Ohio State University

Columbus, OH, USA  
1997-2001

## BACHELOR OF SCIENCE, ECONOMICS

- 3.2 Major GPA.
- Member of the Undergraduate Economics Society.
- Employed as student computer lab administrator — 2000-2001.

