**BARBARA DENSON**

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**Solution Architect and IMPLEMENTATION expert**

# CLOUD ARCHITECT | SYSTEM INTEGRATION | Implementation

Results-oriented Certified AWS Solutions Architect with over 15+ years of experience implementing a broad range ofIT initiatives. Skilled at learning and deploying new technology to support business needs, including, solution design, development, and deployment in a cloud environment.

**TECHNICAL SKILLS**

**Cloud & Infrastructure: Development & Integration:**  
• AWS Cloud Architecture • Web Development  
• EC2, ECS, EKS, Lambda, RDS • Python, Java, HTML5, React  
• SQS, SNS, API Gateway, DynamoDB • CSS3, JavaScript  
• EMR, Glue, Athena, Redshift • API Development  
• DMS • Salesforce Administration  
• Networking (TCP/IP, TLS, HTTP) • Database Analysis  
• DNS, Data Storage • HRIS Platforms (ADP, UKG)  
• Identity & Access Management • HR Systems Integration  
• Container Technologies • CRM Integration  
**Methodologies & Expertise:**  
• Agile/Scrum/Kanban  
• Project Management  
• Workforce Management  
• Chaos Engineering Principles  
• Security Controls for Public Cloud  
• Encryption (Data-in-Motion/at-Rest)  
• Key Management  
• Enterprise System Integration (Payroll, Finance)

# PROFESSIONAL EXPERIENCE

**Technology Consulting**

**Axcessit, LLC, NY, NY**

**May 2021 – Present**

Solutions Architect Consultant/Cloud Architect

* **Project Management and Communication:** Participated in the thorough assessments of project scopes, ensuring alignment with client requirements and expectations. Effectively communicate technical information to diverse teams, fostering collaboration and understanding. Familiar with RFP creation.
* **Cloud Computing and AWS Services:** Took responsibility for enhancing the reliability and performance of cloud applications, utilizing AWS services such as EC2, RDS, S3, CloudFront, Route53, ECS, EKS, Autoscaling, Load Balancing, and more. Proficient in building robust high-availability (HA) architectures within budget constraints. Participated in SAP migration which included identifying the objectives and goals of the migration; documented all applications, their versions, and any associated databases.
* **DevOps and CI/CD:** Skilled at building automated CI/CD pipelines using the entire AWS Code\* Suite, ensuring seamless software delivery and deployment.
* **Terraform:** Knowledge of infrastructure as code and deploying applications. Collaborated with team members on Terraform projects, using version control systems like Git for collaborative development.
* **Identity and Access Management (IAM):** Assisted in developing the least privileged model for applications—experience with IAM services including password management, SSO, Active Directory, and authentication. Implemented single sign-on (SSO) for a suite of applications used across the organization. Employees could access multiple applications with one set of credentials, enhancing user experience and security.
* **Web Development:** Developed websites using the Bootstrap framework, python, WordPress, HTML5, React, JSON, CSS3, node.js, API, jQuery, and MySQL. Used JavaScript for interactive and dynamic website development, including tasks like form validation, image sliders, real-time updates, and user interaction handling. Utilized **Java** frameworks to build applications and collaborate with teams. Participated in and conducted code reviews, improving code quality and adherence to best practices.
* **API Development:** Used rest API for a client's employee information system, enabling HR administrators to manage the workforce effectively.
* **UKG PRO Workforce Management:** Participated in reviewing the configuration for On-boarding and adjusting the process (custom forms, templates, and communication materials).
* **Migration Strategies:** Knowledgeable on various migration strategies, including rehost (lift and shift), re-platform, refactor, re-architect, or rebuild, based on the specific needs and goals of each application.
* **AWS Cost Management:** Used AWS Cost Explorer to visualize, understand, and analyze AWS spending for clients. Created budget alerts to automate notifications when costs exceed predefined thresholds.
* **Business Intelligence and Reporting:** Knowledge of Quicksight the business intelligence tool that can be used to create interactive dashboards displaying financial and usage data from AWS Cost Explorer and other data sources. Knowledge of cloud intelligence dashboards.
* **Infrastructure Optimization:** Used AWS trusted advisor to provide recommendations for improving AWS infrastructure and cost optimization, helping to maintain high quality and efficiency.

**Non-profit**

**Anti-Defamation League, NY, NY**

**JUNE 2001 - MARCH 2020**

SR PROGRAMMER/CLOUD ARCHITECT

**System Architecture and Integration**

* Designed and implemented enterprise-wide solutions, integrating UKG PRO (UltiPro Kronos), Salesforce, and legacy systems
* Developed a microservices architecture for UKG PRO integration, reducing system dependencies by 40% and improving overall system resilience
* Implemented a hybrid cloud architecture using AWS and Azure, resulting in a 30% reduction in on-premises infrastructure costs while maintaining 99.99% system availability
* Spearheaded data integration initiatives using Informatica and SSIS, streamlining processes within the enterprise landscape

**Cloud Solutions and Salesforce Expertise**

* Led Salesforce Lightning, NPSP, and Marketing Cloud implementations, converting technical requirements into robust architecture and design
* Implemented Lightning Web Component framework, enhancing Visualforce pages and improving overall system performance
* Designed and developed a marketing app using SKUID UX, customizing standard objects and creating custom objects to meet specific business needs
* Utilized React to create optimized Views within Visualforce, significantly improving application performance

**Data Management and Analytics**

* Designed and implemented a data lake solution using AWS S3 and Redshift, enabling real-time analytics across UKG PRO, Salesforce, and legacy systems, resulting in a 50% reduction in reporting time
* Developed critical business intelligence reporting using IBM Cognos, providing actionable insights to stakeholders
* Directed implementation of OwnBackup for comprehensive data and metadata backup/recovery, ensuring business continuity

**Security and Compliance**

* Led a cross-functional team to implement a zero-trust security model, reducing security incidents by 60% while maintaining system performance
* Implemented role-based access controls (RBAC) and single sign-on (SSO) solutions, integrating with Active Directory (ADFS) using LDAP protocol
* Configured and tested Azure AD SSO for Salesforce, establishing secure link relationships between Azure AD and Salesforce users
* Increased provisioning for cloud-first applications by 50%, enhancing overall system security

**Project Management and Stakeholder Engagement**

* Collaborated with UKG PRO implementation team leads to align project scopes with organizational goals, ensuring successful delivery of complex projects
* Cultivated robust relationships with key stakeholders across HR, IT, and executive leadership, effectively articulating complex technical concepts
* Implemented Agile methodologies, utilizing tools such as Asana, Jira, and Smartsheet to improve project management efficiency

**Process Optimization and Automation**

* Designed and implemented robust Informatica ETL pipelines, reducing data processing time by 45% and improving overall data quality by 30%
* Automated document distribution and approval processes, reducing errors by 30% and significantly improving user satisfaction

**Innovation and Future-Proofing**

* Researched and recommended new solutions to enhance the UKG PRO platform, keeping the organization at the forefront of HRIS technology
* Led the integration between UKG and Salesforce, creating automated workflows and real-time data synchronization, resulting in a 25% increase in operational efficiency
* Implemented remote collaboration tools including Slack and Box, increasing user productivity by 35% and enabling effective remote work capabilities

**BOYLE SOFTWARE, INC., NY, NY 10/99-03/01**

A systems development company that creates technology solutions: <https://boylesoftware.com/>

**PROGRAMMER ANALYST /Developer**

* Responsible for requirements definition, software development, and implementation
* Designed and modified web applications to support e-commerce
* Developed and managed test plans to ensure system integrity, developed Quality Assurance procedures
* Designed, developed, and maintained Java platform.
* Worked with management, reported on the progress of active projects, and adhered to agreed-upon deliverables.
* Developed software applications based on specifications, utilized development coding tools, and followed the development team's standards to achieve on-time performance.

# EDUCATION

* **CERTIFIED AWS SOLUTIONS ARCHITECT – ASSOCIATE Verification Number: 1F7S48MC911112K5**
* **BLOCKCHAIN CERTIFICATION -** University at Buffalo & The State University of New York Blockchain Specialization
* **UDEMY CERTIFICATION:** AGILE - SCRUM | KANBAN METHODOLOGIES
* **chubb institute, north brunswick, NJ 1998**
* Computer Programming Degree
* Web Development & Business Programming (Structured Analysis and Design, System Development Lifecycles)

# ACCOMPLISHMENTS

* Determined how to update the fiscal year in the accounting system, **saving $50,000** by eliminating the need for outside consulting help.
* Utilized analytical problem-solving skills to address a database performance issue. Implemented innovative indexing strategies, reducing query **response times by 40%** and enhancing overall system efficiency.
* Integrated multiple standalone applications allowing data to be viewed in real-time, reducing the need for manual processing to enable users to make critical decisions. **Reduced processing time by 50%.**
* Implemented Salesforce and developed new apps using third-party software to improve User Experience (UX), reducing the production time of marketing materials **by 30%**
* Created various APIs to enable single sign-on capability across multiple applications, eliminating the need to create this information in each application, improving security, reducing time spent on-boarding and off-boarding staff, and making it easier for users to sign on to the various applications. **Reduced IT support time by 60%**
* Designed, implemented, and deployed an application that searched all internal and external data sources, returning results in seconds, and **reducing research time by 60%.**
* Managed Rental Property - Used Scrum Agile Methodology (daily communications, scrum notes, sprint review reports, project retrospectives, and regular snapshots of the project. **Increased business profits by 40%**
* **AWS:** Reviewed Terraform configuration file and auto-scaling policies. **Helped to reduce costs by 10%**