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 of IT initiatives. Skilled at learning and deploying new technology to support business needs, including, solution design, development, and deployment in a cloud environment.

SKILLS

- Cloud Architecture (AWS)
- Networking, TCP, TLS, HTTP and DNS
- Data Storage
- Salesforce Administration
- Identity & Access Management
- AWS Service Selection
- Agile/Scrum/Kanban Methodologies
- Web Development (Python, Java, HTML5, React, CSS3, JavaScript)
- Database Analysis
- Knowledge of Workforce Management
- API Development
- Familiar with Chaos Principles
- Knowledge and experience hosting applications on AWS including EC2, ECS, EKS, SQS, SNS, API Gateway, Lambda, RDS, Dynamo, Container
- Familiar with EMR, GLUE, Athena, Redshift, DMS, SageMaker
- Knowledge of security controls for the public cloud (encryption of data in motion/rest and key management)
- Experience with Open-Source Cloud and configuration management tools (Terraform Ansible, etc.)
- Familiarity with popular HRIS (ADP & UKG) platforms and the ability to architect solutions that meet HR requirements
- Project Management
- Expertise in integrating HR systems with other enterprise systems, such as payroll, finance, and CRM

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.
- **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 Administration and Configuration:** Supported multiple applications including Accounting, Salesforce, and HRIS. Responsibilities included configuration, maintenance, modification, requirements definition, and new system implementation.
- **HRIS and Integration:** Designed, developed, and analyzed implementation plans based on discovery and client discussion.
- **Engaging with Delivery Team Leads:**
  - Collaborate with UKG PRO (UltiPro Kronos) implementation team leads to understand project scopes, ensuring alignment with organizational goals.
  - Regularly meet with delivery team leads to discuss progress, challenges, and potential enhancements related to UKG PRO (UltiPro Kronos) implementation.
  - Cultivate robust relationships with key stakeholders, spanning HR, IT, and executive leadership. Effectively articulate complex technical concepts to non-technical stakeholders, ensuring clarity and understanding.
- **Understanding Project Scope:**
  - Work closely with UKG PRO (UltiPro Kronos) implementation teams to define and understand the scope, objectives, and timelines of each implementation project.
  - Align UKG PRO implementation plans with broader organizational initiatives.
- **Understanding Team Needs:**
  - Assess the needs of the UKG PRO (UltiPro Kronos) implementation teams, providing necessary resources, support, and guidance to enhance project delivery.
  - Foster open communication channels to address any challenges faced by the teams during the implementation process.
- **Reviewing Products and Exploring New Solutions:**
  - Conduct reviews of the UKG PRO (UltiPro Kronos) implementation, exploring ways to optimize and enhance the system based on client discussions and discoveries.
  - Research and recommend new solutions or integrations to improve the effectiveness of the UKG PRO platform.
- **Domain and Functional Experience:**
  - Leverage expertise in HRIS, including UKG PRO (UltiPro Kronos) , to provide insights and recommendations to delivery teams based on functional requirements and best practices.
  - Apply experience in data integration tools such as Informatica and SSIS to streamline processes within the enterprise landscape.
- **ADP Business Strategy:** Understanding the overall business strategy and aligning functions accordingly.
  - **ADP:** Familiarity with ADP systems and their integration with other corporate functions.
- **Ensuring Compliance with Security Standards:**
  - Audit the UKG PRO (UltiPro Kronos) implementation to ensure compliance with security standards and regulations. Developed critical business intelligence reporting using IBM Cognos
  - Collaborate with security teams to address any identified vulnerabilities and enhance the overall security of the HRIS.
- **Identifying Gaps and Taking Action:**
  - Perform gap analysis on the UKG PRO implementation, identifying areas for improvement in data transfer, accuracy, and overall efficiency. Integrated data using Informatica and Cloud ETL
  - Initiate actions to rectify gaps, collaborating with the implementation teams and relevant stakeholders.
- **Decision-Making:**
  - Make informed decisions regarding the integration of UKG PRO with other systems, such as Salesforce and DocuSign, to enhance overall operational efficiency and data accuracy.
- **Salesforce Administration and Cloud Architecture:** Salesforce Administration and Cloud Architect
  - Salesforce Lightning, NPSP, and Salesforce Marketing Cloud Admin. Responsible for converting the technical requirements of a project into the architecture and design that guided the final product.
  - Configured workflow and page layout, defined data fields and record types, and developed new apps that improved procedures and workflows. Enabled Lightning Web Component framework on Visualforce pages.
  - Created CRUD operations with LWC and modified styling.

- o Deployed Sandbox for production debugging, user acceptance, and 3rd party applications.
- o Integration across multiple sandboxes and use CI/CD using DevOps.
- o Work Management tools: Asana with Salesforce - We Used to stay on track, keep projects organized, and hit deadlines; Jira - We used it for software development and project management (Salesforce & UKG). It offered features for issue tracking, project management, and customizable workflows; Smartsheet, and LucidChart.
- o Directed implementation of Own Backup a backup/recovery plan of data and metadata.
- o Integration between UKG and Salesforce: Connected the two platforms to streamline and enhance project management and CRM processes. Ensured that project-related information and customer data stay synchronized in real-time. Created automated workflows that trigger actions in one platform based on events or changes in the other. Generated accurate and comprehensive reports and analytics of project progress, customer engagement, and overall business performance. Familiar with Data Governance strategy.
- o Led design and development of marketing app using SKUID UX, customizing standard objects and creating custom objects.
- o Salesforce Lightning: Used React to create Views within Visualforce for improved performance.

- **Identity and Access Management**: Role-based access controls (RBAC). Provided a history of login and systems access for audit purposes. AWS IAM - Testing integration and connectivity with Salesforce, AWS, and on-premises. Experience with Azure, configure and test Azure AD SSO for Salesforce - establish a link relationship between an Azure AD user and the related user in Salesforce. Led team to implement single-user sign-on by integrating User Identity management with Active Directory (ADFS) using LDAP protocol; API; SSO using ADFS. Increased provisioning for cloud-first applications by 50%.
- **Vendor Management and Cost Control:** Controlled cost by researching and selecting vendors, collaborating with vendors, setting goals and targets, and evaluating projects to ensure performance management.
- **Systems Development and Implementation:** Improved application functionality using HTML, PHP, CSS, and LDAP to create interactive forms - User satisfaction increased by 80%. Automated the document distribution, approval, and process, reducing the time required by users to complete the forms and by managers and admin to process them - Reduced errors by 30%. Led discovery sessions for new systems development to gain an understanding of the project, define requirements, and identify additional resources and equipment needed.
- **Remote Collaboration Tools Implementation:** Selected and implemented new technologies to improve the ability of teams to work together remotely. Applications implemented included SLACK and Box. Increase user productivity by 35%.

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.

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EDUCATION

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- **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)

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ACCOMPLISHMENTS

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- 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%**