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OVERVIEW

Full Stack/AI Engineer and Cloud Architect with 8+ years of designing and delivering enterprise-scale, cloud applications on AWS, Azure, and GCP. Experienced in building DevOps/CI/CD pipelines, and leading cross-functional teams to modernize legacy systems, improving reliability and performance. Strong background with .NET (Core, EF) Python (FastAPI/Flask), React, and automation to make systems more secure, efficient, and easier to operate.

EXPERIENCE

Web Application Developer July 2024 – Present

School of Computing and Augmented Intelligence (SCAI) – Ira A. Fulton School of Engineering – ASU

- Architected and deployed a full-stack enterprise Student Hiring System supporting 900+ positions per semester, using React, ASP.NET Core Web API, Entity Framework, and SQL Server; later modernized with Python/FastAPI for scalability. Implemented CAS SSO + RBAC and delivered secure releases via automated CI/CD.
- Build cross-system integrations and data pipelines across Power Automate, ServiceNow, Microsoft Forms, Google Sheets, Airtable, and Amazon Redshift, with monitoring, retries, and operational runbooks, saving 100+ labor hours per cycle.
- Design and implement secure cloud architecture across Azure (Azure App Service, Azure DevOps, Azure SQL, Blob Storage) and AWS (EC2, Lambda, API Gateway, DynamoDB), achieving 99.9% uptime with monitoring and release traceability through CI/CD.
- Drive technical strategy and architectural decision-making for enterprise applications, established design patterns, API standards, and cloud-native best practices. Mentored team of 4+ code reviews, pair programming, and technical workshops. Supported DevOps transformation (Git-flow, CI/CD automation, infrastructure-as-code) and Agile methodology across 3 cross-functional teams (HR, IT, Academic).
- Designed and deployed an AI-enabled service (Python/Flask + React) and supporting cloud architecture for secure document retrieval and workflow integration, emphasizing reliability, security, and operability
- Design scalable cloud architecture for AI-powered applications using Azure AI Foundry, implementing microservices pattern with Azure Functions, API Management for rate limiting and security, and Azure Key Vault for secrets management.
- Build and maintain full-stack services using Node.js + React, deploying containerized APIs via CI/CD pipelines, including environment configuration and production monitoring.

Software Engineer April 2020 – Jan 2024

Zwave Inc. (Remote)

- Developed and maintained full-stack healthcare SaaS applications using React.js, TypeScript, C#, ASP.NET Core MVC, Entity Framework, Dapper, and LINQ on SQL Server, and AWS/Azure, serving 10,000+ enterprise users with 99.5% uptime.
- Engineered and optimized RESTful APIs and database integrations, leveraging Python and C# to enhance performance, security, and scalability.
- Automated CI/CD pipelines using GitLab and Octopus Deploy, improving release efficiency and deployment reliability across cloud environments.
- Improved system performance through asynchronous programming, load testing, and query optimization, reducing latency and downtime.
- Managed container orchestration and monitoring with Rancher and maintained comprehensive API documentation with Swagger (OpenAPI) for seamless developer onboarding.
- Ensured HIPAA compliance and secure data exchange via JSON-based API communication and encryption best practices.
- Conducted unit testing (Moq), resolved production defects, and maintained development documentation in JIRA and Confluence, supporting Agile sprint cycles and continuous improvement.

Data Administrator Jan 2017 – April 2020

RateFactory (Acquired by Zwave Inc.) – (Remote)

- Managed a team of four by assigning tasks and onboarding/training new hires, improving team productivity and knowledge transfer.
- Automated ETL processes with Python (Pandas, OpenPyXL), Excel VBA, and web scraping with UBot Studio streamlining insurance data workflows and reducing manual errors.
- Collaborated with cross-functional teams to QA datasets for insurance partners and customers, ensuring accuracy and compliance.
- Managed broker/agent relationships to promote SaaS quoting tools while driving outreach, renewals, onboarding, and KPI tracking in Salesforce to improve sales strategy and team performance.

EDUCATION

- Arizona State University, Tempe, AZ

B.A. in Business Law – W.P. Carey School of Business - May 2017

- Arizona State University, Tempe, AZ

B.S. Software Engineering – Expected May 2026

CORE STRENGTHS

- End-to-End Ownership | System Design & Scalable Architecture | Cloud-Native Development & CI/CD
- API Design & Distributed Systems | Automation & Workflow Orchestration | UX-Driven Internal Tooling
- Operational Reliability, Observability & Performance Optimization | Cross-Functional Technical Leadership

TECHNICAL SKILLS

- **Languages & Core Technologies:** Python, C#, TypeScript, JavaScript (ES6+, jQuery), HTML5, CSS3, Bash
- **Front-End Development:** React.js, React Native, EXPO, Next.js, Material UI, Bootstrap, Tailwind CSS,
- **Back-End & Frameworks:** Node.js, Express.js, .NET Stack (ASP.NET Core, MVC, Web Forms, Entity Framework, Dapper, LINQ, xUnit), FastAPI, Flask, Django, REST APIs, GraphQL, Apollo Server & Client, TanStack (Table, Query, Router), LangChain, Google Maps API, Google Places API, geocoding
- **Cloud & DevOps:** **Azure** (App Service, Foundry, SignalR, Azure OpenAI, Cosmos DB, Blob Storage, Key Vault, DevOps), **AWS** (Lambda, EC2, Elastic Beanstalk, API Gateway, DynamoDB, S3, Amplify), **GCP** (Cloud Run, Cloud Build, Container Registry, Cloud Storage, Cloud Logging), Docker, Octopus Deploy, GitHub Actions, CI/CD Pipelines, Swagger (OpenAPI), Postman, Insomnia, Vercel
- **Databases & Data Management:** SQL Server, PostgreSQL, MySQL, Supabase, Amazon Redshift
- **Automation & Integration Platforms:** Power Automate, N8N, ServiceNow, Plumsail, Airtable, Power BI, SharePoint, OpenAI API, UIPath, Blue Prism, Airflow
- **AI, ML & Emerging Technologies:** Azure OpenAI, Microsoft Foundry, Document Intelligence, Machine Learning LLMs (OpenAI, Anthropic, Meta), RAG (Retrieval-Augmented Generation), Agentic AI (ReAct pattern, tool orchestration), multimodal AI (vision, document intelligence, OCR), Vector Databases (embeddings, semantic search), Prompt Engineering, Autonomous Agents, Model Deployment, LangChain, LangGraph, Semantic Kernel, OpenAI API, LLM Application Development & Integration

PROJECTS

- In Progress Projects - Portfolio (**Ask custom built agent about my experience**)
- NextStep – Carrer/Job Discovery Web App (TanStack/React/Supabase)
- HR Dashboard (.NET + Blazor) | Student Mgmt System (.NET + React) | Student Mgmt System (Py + React)

CERTIFICATIONS

- All Certification Here

REFERENCES AVAILABLE UPON REQUEST.