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## OBJECTIVE

Full Stack Engineer and Cloud Solutions Architect with 8+ years designing and delivering enterprise-scale, cloud-native applications on AWS, Azure, and GCP. Experienced in architecting scalable microservices, building DevOps/CI/CD pipelines, and leading cross-functional teams to modernize legacy systems and improve reliability and performance. Strong background with .NET, Python (FastAPI/Flask), React, and automation to make systems more secure, efficient, and easier to operate. Seeking roles on teams that value solid engineering fundamentals, clear communication, and practical, scalable solutions.

## 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, built with React.js, ASP.NET Core Web API, Entity Framework, SQL Server, and later migrated to Python FastAPI for improved scalability and modernization. Integrated CAS SSO and role-based access control, deployed via Azure App Service and CI/CD pipelines for secure, automated releases.
- Built multi-cloud automation pipelines integrating Power Automate, ServiceNow, Microsoft Forms, Google Sheets, Airtable, and Amazon Redshift, streamlining HR and IT operations and saving 100+ labor hours per cycle through intelligent workflow automation.
- Designed and implemented secure, compliant cloud solutions on Azure (App Service, SQL Database, Blob Storage) and AWS (EC2, Lambda, API Gateway, DynamoDB), leveraging CI/CD pipelines in Azure DevOps for automated build, test, and deployment workflows achieving 99.9% uptime and full release traceability.
- Drove 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).
- Launched a production-grade AI assistant using Python, Flask, React, and the OpenAI API, featuring document Q&A, vector search, and content moderation, demonstrating innovation in AI-driven automation while maintaining strict security and compliance standards.
- Designed 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. Built resilient full-stack solutions with React frontend, serverless backend, and multi-region deployment strategies for high availability.

### Software Engineer

April 2020 – Jan 2024

#### Zywave 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 Zywave 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 2025

#### **SKILLS**

- Analytic Problem-Solving
- Effective Communication (Oral & Written)
- Adaptability & Continuous Learning
- System Design & Architecture
- Process Automation & Optimization

#### **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
- **Cloud & DevOps:** Azure (App Service, SQL Database, Blob Storage, Key Vault, DevOps, App Insights), AWS (Lambda, EC2, Elastic Beanstalk, API Gateway, DynamoDB, S3, Amplify), GCP, Docker, Octopus Deploy, Git, GitHub Actions, CI/CD Pipelines, Swagger (OpenAPI), Postman, Insomnia
- **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
- **AI, ML & Emerging Technologies:** Azure OpenAI, Azure Foundry, Machine Learning LLMs (GPT-3.5/4/4o), RAG, Prompt Engineering), Vector Databases, LLM Application Development & Integration

#### **PROJECTS**

- [Student Hiring System](#) - ([ASP.NET Core Web API](#) + [React Frontend](#))
- [NextStep – Career/Job Discovery Web App](#) – ([Repo](#))
- [In Progress Projects - Portfolio](#)

#### **CERTIFICATIONS**

- Amazon DynamoDB: Building NoSQL Database-Driven Applications - [coursera.org/verify/6BPBKD6K7RA5](https://coursera.org/verify/6BPBKD6K7RA5)
- Building Modern Python Applications on AWS - [coursera.org/verify/789R3WEDAJ3E](https://coursera.org/verify/789R3WEDAJ3E)
- Using Python to Access Web Data - [coursera.org/verify/PK22SAHN8728](https://coursera.org/verify/PK22SAHN8728)
- Using Databases with Python - [coursera.org/verify/NTZDJQUA3BZ8](https://coursera.org/verify/NTZDJQUA3BZ8)
- Python Data Structure - [coursera.org/verify/2XU243TEV7WB](https://coursera.org/verify/2XU243TEV7WB)
- Capstone: Retrieving, Processing, & Visualization Data with Python - [coursera.org/verify/MDFUJW84D2JP](https://coursera.org/verify/MDFUJW84D2JP)
- Python for Data Science and AI (IBM) – [IBM Validation and Badge](#)

#### **REFERENCES AVAILABLE UPON REQUEST.**