

Resourceful and highly motivated Cloud Software Engineer and Application Developer with over 7 years of experience delivering scalable, cloud-native solutions across AWS, Azure, IBM Cloud, and Google Cloud environments. Currently pursuing a B.S. in Cloud Computing at Western Governors University, with 30+ industry certifications including AWS Certified Solutions Architect – Associate, AWS Cloud Practitioner, Azure 900, IBM Cloud, Linux Essentials, SAP Analytics Cloud, CompTIA A+ Network+, and IBM AI Associate Data Scientist.

Founder of Cloud Technology Computing Corporation, specializing in full-stack development, cloud consulting, and mobile app solutions. Adept in DevOps, AI/ML integration, automation, and digital transformation strategies. Proven track record of leading cloud migration projects, developing data-driven applications, and exceeding client expectations through innovation, efficiency, and strong technical execution. Driven by continuous learning, hands-on problem solving, and a passion for emerging technologies, with a mission to bridge business goals and modern software engineering practices.

Websites, Portfolios, Profiles

- <https://www.cloudtechnologycomputing.com>
- <https://www.arzugil.com>
- <https://hybridclouddev.com/>
- <http://linkedin.com/in/jhongil>
- <https://www.credly.com/users/jhongil>
- https://play.google.com/store/apps/dev?id=8040499476760752928&hl=en_US&gl=US

Skills

Core Technical Skills

- **Cloud Computing (AWS, Azure, IBM Cloud, Google Cloud) – deployment, migration, and optimization.**
- **Full-Stack Development – expert in PHP, JavaScript, HTML, CSS, Bootstrap, SQL, and MySQL.**
- **Mobile Application Development – Android (Java), iOS (Swift), and cross-platform app integration.**
- **Artificial Intelligence & Machine Learning – chatbot integration, NLP applications, and automation.**
- **DevOps & CI/CD – Docker, GitHub, Git, Azure DevOps pipelines, cloud-native solutions.**

Work history

Application Developer Specialist

IBM, Baton Rouge | January 2021 - Current

- Utilized agile and waterfall methodologies to develop software and custom applications of varying complexity and client needs.
- Learning natural language processing utilizing frameworks like lang-chain and IDEs like Jupyter Notebook.
- Complete and far exceed the mandatory 40 hours a year learning requirement placed on all IBM employees.
- Apply artificial intelligence and machine learning principles to software development utilizing Watson.
- Utilize IBM Cloud one of the leading platforms in the industry for training and upskilling in building cloud-native architecture and solutions.
- I delivered over 50% of contracted application development projects for Norfolk Southern, a Fortune 500 company, ahead of schedule and under budget constraints, significantly enhancing operational efficiency and client satisfaction.
- Delivered application development projects for Norfolk Southern ahead of schedule, enhancing operational efficiency and client satisfaction.
- Implemented AI and machine learning principles using Watson, driving advancements in software capabilities and improving user experiences.
- Utilized agile and waterfall methodologies to tailor software solutions, ensuring alignment with diverse client needs and business objectives.
- Achieved multiple IBM Cloud certifications, showcasing expertise in building cloud-native architectures and solutions for enhanced project delivery.
- Fostered a culture of continuous learning by exceeding mandatory training hours, promoting professional growth and team development.
- Delivered application projects for Norfolk Southern ahead of schedule, significantly enhancing operational efficiency and client satisfaction.

- **Cybersecurity – CompTIA A+, Network+, Working on Security+ knowledge, cloud security best practices.**

Professional & Strategic Skills

- **SEO & Digital Marketing – Google Analytics, keyword mapping, ad campaigns (Google, Facebook, TikTok).**
- **Agile & Design Thinking – project management and software lifecycle efficiency.**
- **Data Analytics & Visualization – Python, SAP Analytics Cloud, BI dashboards.**
- **System & Technical Architecture – designing scalable, secure enterprise solutions.**
- **Problem-Solving & Critical Thinking – applied across cloud, AI, and enterprise projects.**
- **Client Engagement & Consulting – translating business needs into tailored technology solutions.**

Education

Bachelor of Science in Cloud Computing
Western Governors University, Salt Lake City, UT

- Completed coursework in virtualization, cloud architecture, AWS & Azure services, and DevOps principles
- Gained practical experience through hands-on labs with Amazon Web Services (AWS) and Microsoft Azure
- Prepared for and successfully earned top industry certifications while completing degree requirements
- Achieved AWS Certified Solutions Architect – Associate credential, validating cloud design and deployment skills

Certifications Earned During Program:

- ✓ AWS Certified Cloud Practitioner
- ✓ CompTIA A+
- ✓ Network+
- ✓ Linux Essentials

Application Developer Apprenticeship

IBM, Baton Rouge | March 2020 - January 2021

- Developed and maintained web and enterprise-level applications using languages such as Java, JavaScript, Python, and SQL.
- Participated in all phases of the software development lifecycle, including requirements gathering, design, development, testing, deployment, and support.
- Collaborated cross-functionally with senior developers, UX designers, QA analysts, and product managers to deliver secure, scalable, and high-performing applications.
- Applied Agile methodologies in daily standups, sprint planning, retrospectives, and pair programming sessions.
- Learned and applied DevOps practices including Git, CI/CD pipelines, containerization (Docker), and automated testing.
- Built cloud-native solutions on IBM Cloud and gained exposure to microservices architecture and RESTful API development.
- Completed over 200 hours of formal technical training and consistently exceeded performance benchmarks and project delivery expectations.
- Contributed to the development of internal tools that streamlined data workflows and reduced manual processes.
- Recognized by mentors for rapid skill acquisition and strong problem-solving abilities.
- Built a solid foundation in software engineering principles, Agile teamwork, and cloud technologies that led to a full-time role at IBM.

Founder & CEO

Cloud Technology Computing Corporation, Houston | March 2018 - March 2020

- Established and grew a technology consulting firm providing cloud-based software development, IT consulting, SEO optimization, and mobile application development.
- Completed multiple projects leveraging AWS, Azure, and IBM Cloud, resulting in measurable improvements in client business metrics and online visibility.
- Managed and optimized digital marketing campaigns, driving significant traffic and conversions for clients across various industries.
- Analyzed client needs to design tailored cloud solutions, enhancing operational efficiency and achieving high satisfaction rates.
- Spearheaded a digital transformation strategy, leading to marked gains in client engagement and retention through innovative technology adoption.
- Drove the development of cloud solutions, significantly improving client operational efficiency and achieving high satisfaction rates.
- Conducted in-depth analysis of client needs to tailor cloud services, resulting in enhanced business performance and measurable growth.

Certifications



Cloud & DevOps

Artificial Intelligence & Data Science

Security & IT

- ✓ AWS Certified Solutions Architect – Associate

Highlight:

- Completed coursework and hands-on labs in virtualization, cloud architecture, AWS, Azure, and DevOps, while earning industry-leading certifications including AWS Solutions Architect – Associate, AWS Cloud Practitioner, CompTIA A+, Network+, and Linux Essentials—demonstrating strong expertise in cloud infrastructure, networking, and secure, scalable solution design.

Bootcamp in Computer Science

42 Silicon Valley, Fremont, CA | August 2019

Software Engineering Program

Completed Piscine and Core Curriculum

- Immersive, peer-to-peer, project-based software engineering program with no formal classes or teachers
- Focused on algorithmic problem-solving, low-level programming (C/C++), data structures, and UNIX/Linux systems
- Developed a strong foundation in version control (Git/GitHub), shell scripting, networking, and software architecture
- Completed multiple projects under strict deadlines, encouraging collaboration, autonomy, and resilience
- Gained hands-on experience in debugging, refactoring, and writing production-level code in team environments

Highlight:

Selected through a competitive process and successfully completed the rigorous *Piscine* (28-day coding bootcamp), which emphasizes logic, discipline, and adaptability in software development.

Foundations Analytics & Application Development

- **AWS Certified Solutions Architect Associate** - Credential that validates the ability to design and deploy scalable, highly available, and fault-tolerant systems on AWS
- **AWS Certified Cloud Practitioner** – Foundational AWS knowledge, cloud fluency, and service identification
- **Microsoft Certified: Azure Fundamentals** – Core Azure concepts, services, and compliance
- **IBM Cloud Application Developer** – Cloud-native and multicloud application development
- **Cloud Computing Fundamentals** – Knowledge of virtualization, deployment models, and cloud security
- **Journey to Cloud: Orchestrating Your Solution** – Advanced cloud adoption strategies, ITIL, and governance
- **IBM Storage and Cloud Essentials** – Integration of IBM Cloud and storage environments
- **Cloud Essentials** – Core concepts in IaaS, PaaS, SaaS, containers, VMs, and serverless platforms
- **Docker Essentials** – Container orchestration, Dockerfiles, and IBM Cloud Kubernetes basics
- **IBM AI Associate Data Scientist** – Foundations of AI, Watson tools, and machine learning life cycle
- **IBM Machine Learning Specialist** – Skills in Jupyter, SQL, Python, Docker, and ML concepts
- **Security and Privacy by Design Foundations** – Secure software development principles
- **CompTIA A+** – Core IT support, device configuration, and OS troubleshooting
- **CompTIA Network+ ce** – Network configuration, management, and security
- **CompTIA IT Operations Specialist (Stacked)** – IT workflow optimization and customer needs analysis
- **Linux Essentials (LPI)** – Command-line, open-source tools, file systems, and system admin basics
- **SAP Certified Application Associate – SAP Analytics Cloud** – Business intelligence and cloud-based reporting
- **Application Developer Apprenticeship – IBM** – DevOps practices, CI/CD, coding fundamentals, and client-facing skills

Languages

- **English** - Native or Bilingual
- **Spanish** - Professional Working