

# Wolfgang Truong

Software Engineer

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Certified AWS Cloud Practitioner with hands-on experience in delivering high-quality, scalable software solutions across diverse industries, from consulting and e-commerce to healthcare and digital services.

Demonstrated expertise in full-stack development, cloud computing, and system architecture. Skilled in coding, debugging, and deploying applications using a diverse set of programming languages and frameworks. Proven success in leading development projects from conception through deployment in line with business objectives. Recognized for enhancing system efficiency and performance by integrating cutting-edge technologies. Committed to lifelong learning and staying abreast of emerging trends in software engineering.

## Areas of Expertise

- ◆ Software Architecture & Design
- ◆ Database Management
- ◆ Diagnosing & Troubleshooting
- ◆ Full Stack Development
- ◆ DevOps & CI/CD Pipelines
- ◆ Performance Optimization
- ◆ Cloud Computing
- ◆ Testing & Quality Assurance
- ◆ Security & Compliance

## Technical Skills

Azure, Java, Ruby, Javascript, Bash, Terraform, Docker, Kubernetes, Scala, React, Python, SQL, Mongo, HTML, CSS, jQuery, Splunk, Typescript, New Relic, PCF, CICD

## Career Experience

### THOUGHTWORKS (CONSULTING/ DEVELOPMENT)

2019 – 2023

#### Ritchie Bros (E-Comm) (2023)

Led front-end development initiatives by constructing responsive user account system interfaces. Collaborated with Stripe SDK/API for seamless integration of payment flows. Engineered webhook handlers to ensure real-time updates from Stripe services to improve system reliability. Utilized Kafka to facilitate efficient notification processes for downstream users. Developed and maintained payment API endpoints to ensure robust and scalable payment solutions.

#### Key Achievements/Contributions:

- Enhanced data management capabilities by integrating PostgreSQL, improving data storage and retrieval processes.
- Pioneered functional prototype to break analysis paralysis, driving team progress from stagnant planning to active development.
- Advanced application deployment strategies by utilizing Kubernetes, achieving seamless deployments to the K8 cluster.

#### Atlassian (Testing) (2022)

Devised testing strategy to streamline team workflows and enhance product quality. Educated developers on testing pyramid best practices to foster culture of quality and efficiency. Optimized CI pipeline to include tests as a quality gate to ensure higher code standards.

### Key Achievements/Contributions:

- Implemented vault access for developers to secure shared testing accounts and enhance security protocols.
- Implemented automated testing strategies at Atlassian, shifting organizational culture towards efficiency and future scalability through comprehensive training and strategic documentation.
- Contributed to significant reduction in manual testing hours by participating in team focused on automated testing.

### Humana (Data Platform) (2020 – 2022)

Managed infrastructure through Terraform to automate infrastructure deployment and reduce manual errors. Addressed production issues and facilitated API integration for consumers to improve service reliability. Supported Web API maintenance using message queue/service bus aimed at enhancing message processing capabilities. Conducted performance/stress testing to identify scalability solutions. Leveraged Azure services to enhance platform capabilities and efficiency.

### Key Achievements/Contributions:

- Developed CI/CD pipelines to automate deployments to minimize human errors and streamline release processes.
- Played key role in constructing and maintaining various data platforms, focusing on transforming and de-identifying personal data.
- Transitioned secret management to HashiCorp Vault within AKS aimed at bolstering security infrastructure.
- Designed SDK toolkit for creating JAR files for Spark jobs in Azure Data Factory.

### Gap WebApps SF (Digital Platform Service) (2019 – 2020)

Oversaw all aspects of architecture and API remediation tasks to update and refactor legacy code to modern standards. Engineered developer tools to enhance delivery infrastructure, streamlining development processes and improving efficiency.

### Key Achievements/Contributions:

- Addressed and resolved critical service crashes and memory leaks to enhance system stability and performance.
- Conducted stress tests on the platform by developing reliable metrics for monitoring potential failures.

## Additional Experience

[Tie-Breaker](#) | ([Websocket](#), [React](#), [Node](#)), Demo Portfolio (Learning and Development)

## Education & Credentials

[AWS Certification](#), Certified AWS Cloud Practitioner

[Full Stack Development: Bootcamp](#), Bloc, San Francisco

[Business Marketing](#), San Francisco State University

[Associate of Arts in Liberal Arts: Business and Technology](#), College of the Desert, Palm Desert