Tanner Pubins

Results-driven software architect with 8+ years of experience specializing in full-stack and serverless cloud development, delivering scalable, high-performance applications

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Relevant Experience

Pratt & Whitney

Software Engineering Manager Aug 2023 — Present
Senior Software Architect Feb 2022 — Aug 2023

- Architect, develop and maintain cloud-native apps on AWS to automate engineering evaluations for jet engine hardware
- Build and deploy scalable, high-performance RESTful APIs for common microservices used across multiple internal teams
- Champion a test-driven culture by advocating best practices, implementing CI/CD pipelines with GH Actions, and mentoring teams to improve code quality and accelerate deployments
- Develop comprehensive user docs and training curriculum
- Collaborate with cross-functional teams to develop processes for Methods CoP, fostering knowledge sharing & best practices
- Migrated production app seamlessly to Enterprise cloud with zero downtime, data loss, or user impact
- Invented novel solution to remove damage within a finite element model of a component; co-inventor of Patent Pending (U.S. Patent Application No. 18/632,725, filed Apr 2024)

Collins Aerospace

Software Engineer Dec 2020 — Feb 2022
Senior Product Support Engineer Jan 2020 — Dec 2020
Lead Project Engineer Mar 2019 — Dec 2019
Associate Project Engineer Jan 2017 — Feb 2019

- Designed and built engineering tools and hardware emulators using the desktop app framework, Electron
- Developed and maintained ARINC 661 (spec.) SDKs to support customers building end-user applications for cockpit displays
- Led agile ceremonies as Scrum Master, increasing team predictability and ensuring consistent value delivery
- Verified software requirements to support DO-178 certification
- Engaged with customers to identify root causes and deliver timely solutions
- Earned a Level 1 Excellence Award for driving results on product rejections at Airbus flight assembly line

Skills

Languages & Technologies

Python, Swift, Java, C/C++, Bash, SQL, JavaScript, TypeScript, HTML, CSS

Amazon Web Services (AWS)

API Gateway, Batch, CloudFormation, CloudFront, CloudWatch, DynamoDB, EC2, ECS, Fargate, Lambda, RDS, Route 53, Secrets Manager, S3, SNS, SQS, SSM, Step Functions

Tools & Platforms

Docker, Git, GitHub, Zenhub, Jira, AWS SAM, Postman, PostgreSQL, draw.io, Adobe XD, Codecov

Frameworks & Libraries

FastAPI, Django, Flask, pytest, Jest, React, Next.js, Tailwind CSS, SwiftUI

Certifications

Education

Arizona State University

Computer Science, MCS Dec 2020
Aerospace Engineering, BSE Dec 2016

Biola University

Engineering Physics, BS May 2016