Bryan Zwicker

Lead Software Engineer

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Objective

Passionate software engineer with twelve years experience leading successful teams through all phases of the software development life cycle from inception, launch, maintenance and retirement of products. Highly experienced in maintaining production systems with strict uptime requirements. Looking to take the next step in my career and bring my experiences to a highly driven team

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Proficiencies

Languages: PHP, Python, JavaScript, SQL, Terraform, Ansible, Bash

Storage: MySQL, PostgreSQL, Redis, Mongo, DynamoDB, Aurora, DB2, InfluxDB

Other: Service Oriented Architecture, Event driven architecture, REST API design, AWS Development, OpenAPI Specification, CI / CD, Docker, EventBridge, SQS

Experience

InsureMyTrip / Platform Engineering Manager
November 2023 - PRESENT, Warwick, RI

- Managed multidisciplinary team of six responsible for maintaining all AWS resources, deployment pipelines, application security, regulatory compliance, organizational compliance, site reliability and internal developer platform
- Responsible for data reporting / Business Intelligence platforms and data feeds both internally and external stakeholders
- Managed changes to Enterprise Data Architecture and ensure business is following regulatory requirements
- Provided tooling required for application development such as metric collection, application / system monitoring, logging, and alerting
- Designed event driven architecture using EventBridge to scale out 3rd party integration opportunities for in-line e-commerce insurance pricing

InsureMyTrip / Lead Software Engineer
June 2020 - November 2023, Warwick, RI

- Drove the cloud migration of coupled, on-premises systems to AWS, migrating applications from virtual machines to containers
- Pair programmed regularly to eliminate blockers and mentor
- Provided context for individuals contributions into larger strategies
- Worked 1-on-1 with engineers to develop professional development goals
- Mentored QA engineers on creating automated testing frameworks to build integration tests using reusable components, reducing hours required for manual testing by over 80%
- Established technical vision and architecture for international expansion
- Created architecture diagrams intended for engineering teams and non-technical business users
- Built automation for testing, building, deploying a large PHP monolith to AWS multi-account, multi-region environments and introduced feature flags to the development process to decouple code pushes from feature releases

- Provided capabilities for scaling, load balancing, rollbacks via immutable IaC
- Led the hiring process for screening, technical assessment, and behavioral interviews

InsureMyTrip / Sr. Software Engineer & Client Liaison
November 2019 - June 2020, Warwick, RI

- Led initiative to revamp legacy Policy Administration tool, significantly reducing highly disruptive failures.
- Added post-sale capabilities that created new business opportunities and eliminated complex bespoke manual workflows for customer service agents
- Identified areas of significant technical debt and opportunities to address it while continuing to move product initiatives forward
- Onboarded new employees; mentoring on engineering best practices, internal processes and coding standards
- Primary point of contact for all 3rd party integrations, aiding with implementation strategies and communicate system updates or issues

InsureMyTrip / Software Engineer
May 2017 - November 2019, Warwick, RI

- Envisioned and developed insurance pricing framework for managing highly dynamic travel insurance pricing algorithms, enabling non-developers to self-serve most rate updates, reducing the reliance on engineering resources
- Developed automated testing to verify pricing accuracy for tens of thousands of possible input permutations
- Integrated internal applications with 3rd party partner APIs
- Worked in a multidisciplinary team to meet deadline-driven project goals for internal and external stakeholders

A&H Manufacturing / Web Application Programmer
April 2015 - May 2017, Johnston, RI

- Created internal-facing applications to handle daily operations for the Sales, Product Development and Manufacturing departments
- Developed in-house Business Intelligence reporting applications
- Built web platform for processing vendor Purchase Orders
- Built web apps to interact with legacy AS/400 ERP system
- Implemented logging strategies for reproducing bugs

Boston Web Group / Lead Web Developer & Project Manager
May 2013 - April 2015, Boston, MA

- Created CMS powered websites for local businesses
- Gathered requirements for content, website functionality and SEO goals through discovery discussions with clients
- Managed web server and email hosting on various service providers
- Delegated tasks to ensure delivery of various projects on time

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Education

Champlain College / B.S. Computer Information Technology
September 2009 - April 2013, Burlington, VT
- Specialization in Web Application Development
- Member of improv comedy troupe Los Dormant Volcanoes