

EXPERIENCE

Staff Software Engineer

InsureMyTrip - 01/2016 - 01/2024

- Collaborated directly with senior leadership on behalf of the engineering team, reviewing the yearly roadmap, providing clarity, estimates, and translating business requirements into engineering initiatives.
- Conducted design, planning, and implementation of project for sending post-sale insurance policy updates to various travel insurance APIs. This simplified maintaining data parity between systems (a process done manually) and reduce mean time to resolution for customers requesting changes to their insurance policies from potentially days or hours to just minutes.
- Built and maintained proprietary PHP package/library to interact with third-party service (Bridger, LexisNexis) to replace legacy system for flagging orders made by potential sanctioned individuals at point of sale. This improved accuracy identifying users and reduced time approving or denying orders
- Led the design, preparation, and creation of an enterprise service bus in Python for generating a quote for Canadian travel insurance policies, storing and retrieval of quotes, order processing, and handling payments, while preserving backwards compatibility with a monolithic code base.
- Made refactors and performance improvements to existing code bases reducing QA churn and improving site performance and time to quote from 5-8 seconds down to 2 seconds or less.
- Debugging to identify and resolve software defects. Implemented software testing strategies to ensure application reliability and maintainability (TDD, BDD), reducing bugs and defects.
- Built Python CLI tool to generate plan specific permutations of insurance plan quoting data. Used extensively by QA and engineers to ensure accurate insurance premium calculations. This reduced Dev and QA-caught pricing defects as well as manual intervention by the support and finance teams over 80%.
- Designed and implemented new data-entry framework allowing non-engineers a means to enter insurance pricing data in a structured format. This reduced delivery time of travel insurance policies for sale on websites from potentially month(s) to an average to a week while increasing availability of engineers on other initiatives.
- Built and maintained GitLab CI/CD pipelines for updating, automated testing, deploying, and rolling back applications in AWS. Safe and robust deployments increased to several a day versus a single deployment a day or several days.
- Performed code reviews to ensure code quality and adherence to standards. Paired program with peers enhancing their skills and understanding of various code bases.
- Architected, developed, and shipped reusable SPA quote form app in Vue. A/B tested using Google Optimize. improved user experience and increasing user throughput to quote results page by 30%.

Tech Lead

Precision Design Studios - 08/2014 - 12/2015

- Led workshops with clients on use of Demandware's business manager interface.
- Led and implemented projected features, and integrate third party plugins for clients' e-commerce websites.
- Provided estimates, solutions, and paired programmed with peers.
- Built and maintained websites in HTML, CSS, and Javascript as well as Demandware's proprietary backend language.

Career Break

Jan 2024 - Present

- Intentional pause for personal reasons. Actively seeking new opportunities.

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SUMMARY

Staff-level full-stack software engineer with 8+ years building insurance fintech APIs payment systems and websites in PHP, Python, HTML, CSS, and Javascript with a track record of reducing operational overhead through automation, collaboration, documentation, code and process improvements.

SKILLS

Languages: PHP, Python, HTML, CSS, JavaScript, Typescript, Go, Ruby

Frameworks: Flask, FastAPI, Vue, React, Ruby on Rails, Symfony, PHPUnit, Pytest, Cypress, TailwindCSS, Gin

Tools: Git, WordPress, SumoLogic, AWS Services (API Gateway, Lambda, Event Bridge, CloudWatch, etc), Agile, JIRA, Grafana, Prometheus, Terraform, Docker, ConfigCat, LaunchDarkly

Databases: MySQL, MariaDB, DynamoDB, PostgreSQL, Elasticsearch, Redis

EDUCATION

Computer Science - Bachelor of Arts

Rhode Island College - 2014

- Received Departmental Honors in Computer Science
- Presented thesis at Nineteenth Annual Consortium for Computing Sciences in Northeastern Conference
- Thesis: GRAPH-ENE: A Web-based Graphing Program for building and manipulating graphs

General Studies - Associate of Arts

Community College of Rhode Island - 2011