

Ashil Farahmand

ashilfarahmand.com Alexandria, VA

Full Stack Software Engineer with 5+ years experience specialized in Ruby on Rails, leading technical initiatives that enhance operational efficiency through automated solutions, and cross-team collaboration

EXPERIENCE

Full Stack Software Engineer - Billing Squad

Arcadia Power

May 2022 - Apr 2023

- Led assessment of existing microservices for new multi-provider enrollment feature, identified gaps, and managed cross-squad task distribution to ensure seamless feature integration
- Developed and enhanced payment processing and utility remittance features across a billing microservice, admin tools, webhook manager, and a GraphQL API using Ruby on Rails and TypeScript
- Resolved intricate Stripe payout issue by sifting API logs, analyzed root cause and proposed solutions in comprehensive retro, and implemented solution that eliminated workflow disruptions across 3 teams
- Mentored new squadmate by documenting and diagramming platform solar and utility remittance flows
- Created implementation plan for migrating ACH provider from Silicon Valley Bank

Full Stack Software Engineer

LX9

Nov 2020 - May 2022

- Developed a seamless JavaScript onboarding flow, streamlining payment setup for new users
- Integrated Dwolla payment API with Ruby on Rails, configuring webhooks for secure fund transfers
- Led user interviews to assess feasibility and prioritize features, ensuring development aligned w/user needs

Full Stack Software Engineer - Social Fundraising Platform Team

GiveCampus

Dec 2018 - Nov 2020

- Led automation of partner invoicing process by collaborating with CFO and multiple teams to design and implement solution that eliminated manual data entry, reduced errors, and saved 50+ team-hours monthly
- Developed features to process incoming gifts and outgoing payouts using Ruby on Rails and Stripe API
- Optimized SQL queries and server code, improving performance and reducing execution time by up to 95%
- Diagnosed and deployed hotfixes to Heroku, rapidly resolving issues and minimizing downtime

Enterprise Drupal Developer

Debug Society

Feb 2016 - Dec 2016

- Agilely built responsive site for American Relief Coalition for Syria and features raised by client
- Completely themed responsive site using Drupal, and CSS
- Resolved issues raised by clients using Agile development

Multiplex Communications Patent Examiner

US Patent and Trademark Office

Sep 2008 - Jan 2018

- Performed literature review for patent applications in network communications to identify novelty relative to existing technologies achieving a 90% affirmation rate at the Board of Patent Appeals and Interferences
- Earned docket management award for achieving 110% of timeliness goal for processing of applications

PUBLICATIONS

Farahmand, Ashil Sayyed, and Lamine Mili. "Cooperative Decentralized Intersection Collision Avoidance Using Extended Kalman Filtering." In *Intelligent Vehicles Symposium, IEEE*, pp. 977-982. IEEE

SKILLS

Ruby on Rails, Python, PostgreSQL, React.js, Redux, AWS, GraphQL, OpenAPI, MongoDB, noSQL, Docker, Kubernetes, Stripe, TDD, rSpec, Redis, Jest, MATLAB, Drupal, PHP, JIRA, Git, CI/CD, CircleCI, and financial API integration

EDUCATION

Virginia Polytechnic Institute and State University

BS/MS Electrical Engineering