

Rhythm Agrawal

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PROFESSIONAL SUMMARY

- 4+ years of experience as a Full-Stack RoR Developer. Expertise in developing Web-based and mobile applications.
- Proficient in REST, GraphQL, SQL databases like PostgreSQL, and adept in deploying applications through Docker and Kubernetes.
- Integrated 30+ third-party APIs from scratch including(Heroku, Google, Slack, Airtable, Justworks, Render, Asana API etc) .
- Implemented authentication login, signup, and otp based forget password functionality using AWS Cognito and AWS Amplify.
- Leveraged AWS services like EC2, S3, CloudWatch, IAM, VPN, Elastic Load Balancing, AWS API Gateway, and honed skills in GCP services such as Compute Engine, Cloud SQL, Functions, IAM, and Monitoring.

EDUCATION

University of North Carolina at Charlotte

Master of Science in Computer Science | Current GPA: 4.0

Charlotte, NC

Expected May 2024

Rajiv Gandhi Proudhyogiki Vishwavidyala(RGPV)

Bachelor of Engineering in Computer Science | 3.2 GPA

Indore, India

Jun 2015 - Jun 2019

SKILLS

Technical/Programming Skills: Ruby, Python, Java, C, C++ , React Native, Data Structures and Algorithms

Web Technologies: Rails, React/js, JQuery, Python, HTML, CSS, Javascript

Database Application: MySQL,PostgreSQL, Firebase, MongoDB

Deployment Platforms: Heroku, Docker, Kubernetes, Amazon Web Services (AWS), CI/CD, Nginx, Elasticsearch, Puma

IDE /Tools: Kibana, Android Studio, Sublime Text, RubyMine, VS code, Jira, Sentry, Newrelic,, MS-Office, MS-Excel, MS-Powerpoint

Other Skill Sets: REST Apis, Git, Linux, Azure, Windows, Bugsnap, Grafana, Redis, Xcode, Swagger, Web Scraping, Jenkins, Agile

EXPERIENCE

Babelcast | Full-Stack Developer

Oct 2023 - Jan 2024 | Chicago, US

- Developed Flask APIs and integrated Cognito authentication in ElectronJS.
- Implemented Redux state management, enabled VoIP functionality, established Cloud SQL database, and configured cron jobs

University of North Carolina at Charlotte | Research Assistant

Jan 2023- Oct2023| Charlotte, US

- Mobile application that uses AI to gather data from users and provide suggestions to improve on exercising techniques.
- Devised a custom DynamoDB database and API library for integration with the data management application.
- Worked in Healthcare Research using Biopac biomedical devices to stream data in realtime to unity, and developed API pipeline for analysis of real-time ECG, PPG, and fNIRS data using Python. Integrated the results in a Virtual Reality environment.

Spanidea Pvt. Ltd. | Senior Software Engineer

Jun 2021 - Jul 2022 | Pune, India

- Developed numerous E2E solutions, From establishing system needs and partner dependencies to workload balancing, software implementation, testing, and configuring metrics, alarms, monitors, and dashboards using Ruby on Rails, PostgreSQL, and AWS
- Continuous Integration/Deployment Pipeline Integration, pull requests, code reviews, load/stress, unit/integration/e2e testing.
- Designed and implemented scalable APIs and Databases to handle thousands of requests per second by utilizing multithreading with background processes using the Sidekiq job scheduler. Managed authentication using JWT tokens and constructed serializers.

MMF Infotech Pvt. Ltd | Software Engineer

Mar 2020 - Jun 2021 | Indore, India

- Constructed GraphQL queries and mutations and worked on data scraping and Real-time experience in RESTful Web APIs..
- Requirement analysis, designing SQL Database and creating API endpoints. Created Admin Panel and APIs using Grape Swagger.
- Built a microservice for chat, audio and video calls with Twilio Apis & used it in three applications which saved 3 months of work.

GammaStack Pvt. Ltd. | Solution Engineer

Jun 2019 - Feb 2020 | Indore, India

- Adjusted design parameters to boost performance and incorporate new features. Added multiple language support in the app.
- Upgraded a legacy application from Rails 2 to Rails 5, reducing the average request processing time by 78% from 4.5 to 1 sec.
- Integrated payment gateways in 4 websites and 3 mobile apps like Stripe, Omise, Authorize.net, Braintree, PayPal, Square etc.

PROJECTS

- Edcast: An e-learning platform in which you can access content from leading content providers like LinkedIn Learning, Udemy, Go1, Kaltura Simplilearn, etc in a single platform. Also, complete courses by these content providers and get the certificates.
- Babelcast: An electronjs app for realtime voice cloning using Retrieval-based-Voice-Conversion-WebUI for training voices. It provided calling using VOIP with a flask backend and background processing using Redis.

CERTIFICATIONS

Certifications: AWS Academy Cloud Computing Architecture, Networking Basics, and Technician Cisco, Introduction to IoT Cisco