# Ramya Unnikrishnan

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## Summary:

Front-End Developer with a strong foundation in web technologies and 4.8 years of Python experience. Leveraging 4 years in the fitness industry, I bring a unique blend of technical expertise, leadership, and client management skills. Recently upskilled in React JS, Tailwind CSS, and UI/UX design, specializing in building responsive, user-friendly applications. Adept at collaborating in dynamic environments to create seamless digital experiences.

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## Technical Skills:

- **Programming Languages:** Python 3.4, HTML/HTML5, CSS/CSS3, JavaScript, ES6
- **Frameworks & Libraries:** Django, Django REST(DRF), Bootstrap, React JS, Tailwind CSS
- **Databases**: PostgreSQL, MySQL, MongoDB
- **Operating Systems** : Linux
- **Version Control Systems:** Git

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## Career Journey:

### Infosys Limited
- Systems Engineer from April 2013 to June 2015
- Senior Systems Engineer from July 2015 to Dec 2016

### HCL Technologies
- Lead Engineer from Feb 2017 to Dec 2017

### Fitness Coach (Entrepreneurial Venture)
- Founded and managed a fitness coaching business Jan 2018 – March 2021
- Conceptualized and designed a dynamic web app for personal consulting, collaborating with a developer to bring the idea to life. The app allowed coaches to create diet and exercise plans, track client progress, and facilitate client engagement by allowing them to view, update, and monitor their progress. Gained valuable experience in business operations, client management, and the technical aspects of web app development.

### Career Break(Child Care)
- Took a career break for childcare from Jul 2021 – Feb 2024
- I expanded my skills in Frontend Technologies during this period

### Freelance Web Developer
- Feb 2024 – Present

- Transitioned into freelance web development, utilizing Frontend Technologies to build responsive, SEO-optimized websites

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**Portfolio Project:** E-Commerce Application

**Website:** **https://coruscating-hamster-bd961d.netlify.app/**

**Responsibilities:**

- Developed a fully responsive, single-page eCommerce application using **React.js**, **Tailwind CSS**, and **Redux Toolkit**, simulating end-to-end user interactions including product browsing, cart management, and checkout flow.
- Fetched and managed data from mock RESTful APIs (e.g., Fake Store API) using **React Query**, enabling features like caching, background refetching, and seamless UI updates.
- **Optimized application performance** through lazy loading, efficient component design, and minimized state re-renders.
- **Simulated authentication flows** using JWT logic and protected routes with **React Router**, providing a realistic user login/logout and session-based access.
- **Applied accessibility best practices** (ARIA roles, semantic HTML, color contrast), ensuring the app meets **WCAG 2.1 AA** guidelines for inclusivity
- Ensured **cross-browser compatibility**, testing across **Chrome, Firefox, Safari**, and Edge for consistent UI/UX.
- Maintained clean, reusable, and well-documented code using **Git for version control**, showcasing readiness for team-based development.
- **Deployed the application** on **Netlify**, practicing CI/CD workflows and environment variable management.

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**Company**: Freelancer

**Client**: Persona Beauty Salon

**Experience**: Feb 2024 - Apr 2024

**Website:** **https://personabeautysalon.in/**

**Description:**

Designed and developed a responsive, SEO-optimized website to enhance the online presence of a small business, achieving first-page Google rankings and increased audience reach.

**Responsibilities:**

- **Client Collaboration:** Engaged directly with the client to understand their brand identity, business goals, and customer needs, ensuring alignment throughout the project lifecycle.
- **Website Design**: Designed the website, incorporating user-friendly navigation and visually appealing elements to enhance engagement.
- **Development & Deployment**: Developed and deployed a responsive website utilizing advanced techniques to optimize performance, accessibility, and search engine visibility.
- **Performance Optimization**: Applied image compression, lazy loading, and caching strategies to achieve fast loading times and improve user experience.
- Used **Google PageSpeed Insights** to implement best practices for faster load times and scored high on Core Web Vitals. Achieved **PageSpeed scores of 90+** on both desktop and mobile.
- **Cross-browser Compatibility**: Performed cross-browser compatibility tests to ensure consistent user experience across Chrome, Firefox, and Safari.
- **Accessibility Compliance:**: Integrated accessibility features, including ARIA roles and semantic HTML elements, to ensure inclusivity for all users.
- **Version Control:** Managed code versions using **Git**, maintaining a streamlined and error-free development process.
- **SEO Execution**: Implemented structured data, meta tags, alt attributes, and XML sitemaps, then submitted the site to Google Search Console for indexing and performance monitoring. These strategies significantly improved search visibility, resulting in first-page Google rankings and increased organic traffic. Indexed and tracked via **Google Search Console**, resulting in increased impressions and clicks.
- **Ongoing Support**: Provided ongoing technical support to the client for website management and content updates, ensuring smooth operation and timely updates.
- **Success Metrics:** Contributed to increased online engagement and discoverability, resulting in measurable improvements in customer acquisition and satisfaction.

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**Company**: HCL Technologies
**Job Title:** Lead Engineer
**Client**: John Deere
**Experience**: Feb 2018 – Dec 2018
**Location**: Pune, India
**Project**: XML to CSV Conversion Automation
**Responsibilities**:

- **Customer-Centric Solution Development:** Worked closely with John Deere's Data Enablement team to understand their data processing needs and developed a Python-based tool to convert complex XML files into structured CSV files, ensuring a solution aligned with their operational goals.

- **Process Automation & Efficiency:** Automated data conversion workflows, significantly reducing manual effort and minimizing errors, resulting in more efficient and accurate data handling, directly benefiting the customer's internal processes.

- **Data Integrity & Management:** Ensured the tool maintained data integrity while handling complex hierarchical structures, repeated elements, and optional fields, ensuring the accuracy of customer data throughout the process.

- **Collaboration & Customization:** Collaborated with the customer to gather detailed requirements and tailored the solution to meet specific business needs, enhancing their ability to manage and utilize data effectively.

- **Continuous Support & Improvement:** Provided ongoing support for the solution, gathering feedback from the customer to refine the tool and ensure it continued to meet their evolving needs, improving their overall experience.

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**Company**: Infosys Limited
**Client**: Telstra
**Experience**: Jul 2015 – Dec 2017
**Location**: Bengaluru, India
**Project**: Cloud & Data Center Integration (CDCI)
**Technologies**: Python, Django, Django REST Framework, OpenShift, Git

**Project Brief:**

As part of Telstra's CDCI team, I contributed to building a cloud orchestration platform that automated the provisioning of secure, high-performance network connections between Telstra's data centers and major cloud providers such as AWS, Azure, and GCP. My work primarily focused on backend development using Django and Django REST Framework, and deploying services on OpenShift (Red Hat's PaaS).

**Responsibilities:**
- Developed and tested  RESTful APIs to interface with major cloud service providers, enabling dynamic, automated provisioning of cloud services and supporting over 1,000 network service deployments monthly.
- Built reusable and extensible CRUD APIs for managing cloud resources and connection configurations,improving flexibility and control for internal teams.
- Automated the provisioning of VPNs, VLANs, and virtual links using cloud platforms (AWS Direct Connect, Azure ExpressRoute), reducing setup time from days to **under 2 hours**.
- Integrated with cloud APIs for tasks like interface creation, and BGP routing setup, ensuring robust and scalable network connectivity.

- Implemented secure API authentication using OAuth 2.0 and API keys, increasing platform security and reducing unauthorized access..
- Deployed services on **OpenShift**, ensuring high availability and achieving **99.9% uptime** for production environments.
- Collaborated within an **agile team of 10+ developers**, contributing to sprint planning, daily standups, and retrospectives to ensure timely and quality deliverables.
- Maintained clean version control and facilitated smooth collaboration through **Git**, enabling efficient code reviews and minimizing integration issues.
- Reduced manual effort by over 60%, enabling network engineers to focus on higher-value tasks.
- Improved cloud connectivity onboarding time for enterprise clients by **up to 75%**.
- Delivered a scalable, secure, and reliable solution that enabled Telstra to offer faster and more consistent cloud connectivity services with fewer configuration errors.

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**Company**: Infosys Limited
**Client**: Baker Hughes
**Experience**: Apr 2013 – Jun 2015
**Location**: Bengaluru, India
**Project**: Automation for Network Operation Support
**Technologies:** Python 3.4

**Project Brief**:

While working as a Network Operation Engineer for Baker Hughes, I proactively identified networking tasks that could be automated. This initiative sparked my transition from a traditional network engineering role to a Python-based automation developer.

**Responsibilities**:

- Managed incidents, changes, problems, configurations, and service requests across wired/wireless LAN, WAN, and VOIP infrastructure.
- Led the development and deployment of Python-based automation scripts to streamline and manage complex network operations across Baker Hughes' global infrastructure.

- Automated repetitive and time-consuming tasks such as - scheduled backups of router and switch configurations, retrieving, adding, and validating VLAN information across thousands of devices, and managing Access Control Lists (ACLs) through rule insertion, compliance checks, and analysis of existing entries.
- Leveraged libraries telnetlib to connect to network devices, and csv, json, and os modules for structured data handling and reporting.
- Achieved a 75% reduction in manual network tasks, lowered configuration-related outages by 60%.
- Developed a Python application to analyze firewall syslogs up to 1 GB in size, used to monitor and optimize firewall rule sets across global data centers.
- Utilized regular expressions (`re`), optimized file handling, and logic to extract key insights such as action types (permit/deny/denied), source and destination IP addresses, and hit counts per firewall rule.
- Automatically organized output into folders by firewall IP, generating CSV reports categorized by action type.
- The application enabled teams to identify and remove redundant or unused rules, improving rule efficiency and security clarity.
- Business outcomes included 50% faster audit preparation, 30% quicker threat investigation, and enhanced compliance and security posture through improved visibility into firewall activity.

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## Academic Profile:

B.Tech., (Information Technology) with a score of **8.0 CGPA** from Dr. Mahalingam College of Engineering and Technology, Anna University, Tamil Nadu, India.

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## Personal Details:

Full Name : Ramya Unnikrishnan
Nationality : Indian
Current Location : Dallas, Texas
Date of Birth : 13$^{th}$ Nov 1990
Visa Type : L2 EAD