

Anirudh Vijayaraghavan

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Education

Master of Science, Software Engineering, Northeastern University, Boston, MA	Dec 2024
Data Structures & Algorithms, Object Oriented Design, Web Dev.(MERN), UI/UX, Cloud Computing, Operating Systems, Game Dev., SDLC	
Bachelor of Technology, Electrical and Electronics Engineering, SRM University, Chennai, India	May 2018

Skills

Languages & Databases: PHP, JavaScript/Typescript, Java, PostgreSQL, MySQL, Eloquent ORM, Redis, Sequelize ORM, IBM DB2
Web: Laravel, Node.js, Express.js, jQuery, React, Next.js, Tailwind CSS, Postman, Figma, Bootstrap, SASS/SCSS
DevOps/CICD/Cloud: AWS, DigitalOcean, GCP, Pulumi, Packer, Github, Linux, Debian, BASH/Shell, Terraform, Docker, YAML, Bitbucket, Taiga
IBM Mainframes / Misc: COBOL, JCL, REXX, VSAM, RACF, IEBGENER, CHANGEMAN, ServiceNow, PeopleSoft, IBM CMOD, JIRA
Certifications: Developers Associate (DVA-C02), Solutions Architect – Associate (SAA-C03), Cloud Practitioner (CLF-C02)

Work Experience

Software Engineer, Talent Junction LLC – PHP, Laravel, Open-source, RESTful APIs, OpenAI, Full Stack Dev., AWS, Docker	Sep 2025 – Present
<ul style="list-style-type: none"><li>Containerized and secured the open-source OpenCATS ATS on AWS Lightsail using Docker Compose, Nginx reverse proxy, reducing environment setup time to under 5 minutes while ensuring 100 % data durability and 0-downtime rebuilds.</li><li>Developed the company’s temporary cloud infrastructure across production and staging environments with AWS, SSH-tunnel-only admin access, automated OS patching, for a hardened, security-first deployment model.</li><li>Leading the refactor initiative to migrate OpenCATS core from procedural PHP 7.4 to Laravel 12 + MySQL, introducing MVC architecture, Blade templating, Eloquent ORM, and API-first design for future multi-tenant SaaS deployment.</li><li>Partnered directly with founders to translate operational pain points into deliverables, from 3<sup>rd</sup> party API integrations, candidate testing modules, to long-term cloud scalability, enabling faster product iteration and freeing leadership to focus on growth.</li></ul>	

Software Engineer (Volunteering Work), Reality AI – NextJS, React, OpenAI API.	Jan 2025 – Aug 2025
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Full Stack Web Developer Co-op, Neva Group Inc – PHP, Laravel, JQuery, Apache, RESTful APIs, Frontend Dev.	Jan 2024 – Jun 2024
<ul style="list-style-type: none"><li>Worked on truulee.com (currently in pre-launch), a global B2B e-commerce web-application.</li><li>Deployed responsive, dynamic web forms using Laravel Blade templates, VueJS, jQuery, and Laravel Validation features, ensuring robust input validation across devices, while adhering to mobile-first design principles.</li><li>Enhanced security by integrating multi-factor authentication through OTP setups using PHPMailer and Infobip, leveraging Laravel’s authentication system, resulting in a 40% reduction in phishing attempts and spam alerts.</li><li>Automated testing and error detection with Selenium and PHPUnit scripts, reducing critical bugs and improving code quality, cutting manual testing time by 20%. Created scripts to test Forms, Payment systems.</li><li>Developed and maintained RESTful APIs and routes, integrating backend services and frontend interfaces.</li><li>Performed backend and front-end performance optimization, improving page load times by 10% and enhancing user engagement through caching, eager loading (solving the N+1 query problem), and utilizing Laravel Octane.</li><li>Improved API performance by optimizing Laravel Eloquent relationships, reducing database query time by 8%.</li></ul>	

Technology Analyst, Infosys – Client: MetLife Inc. – Mainframes, Java (Production Support, QA, Development)	Aug 2018 - May 2022
<ul style="list-style-type: none"><li>Received a company-wide domain excellence award for having excellent project deliverables.</li><li>Led a high-performing AGILE development team, consistently delivering high-quality code, reducing maintenance costs by 14%.</li><li>Integrated parallel-processing batch jobs using IBM Mainframe, Tivoli TWS, and Core Java OOPs jobs, achieving a 20% reduction in Processing/Execution time for critical jobs and faster data delivery to downstream applications.</li><li>Optimized database SQL queries, resulting in a 30% reduction in database response times, significantly enhancing application responsiveness, and reducing DB DEADLOCK issues for over 10 applications, using IBM DB2 RDBMS.</li><li>Implemented TDD practices with JUnit and Selenium for both COBOL and Java components, resulting in a 50% reduction in post-release defects and improving code quality across mainframe and Java services.</li><li>Achieved a 15% reduction in operational costs and increased team productivity by automating labor-intensive tasks using Linux, Core Java, Mainframes Technology stack (IBM DB2, CICS, COBOL, JCL, REXX), &amp; TWS (Distributed Job Scheduler).</li><li>Facilitated seamless integration between 60 different mainframe and core Java corporate applications, financial services and cloud services (Reconciliation, Data Warehouses, FTP scripts, Database repositories, PDF generation and Analytics for ETL).</li></ul>	

Projects

CloudPractitionerHelp – Laravel, OpenAI, APIs, PHP, Tailwind CSS, AlpineJS, MySQL, Docker, Git, Linux   Github   Link	Apr 2025
<ul style="list-style-type: none"><li>Created an AI Assisted Quiz and Learning Platform, using Laravel and PHP. Adopted a Modular Monolith with MVC pattern. Handled User Profile management, Quiz sections, Education sections, Payment Sections, through well designed controllers and models.</li><li>Engineered a secure and scalable backend. Implemented OAuth authentication, Stripe APIs, OpenAI APIs for agentic work, SMTP.</li><li>Supercharged the application throughput by ~250%, through asynchronous processing servers (Laravel Octane Swoole Module).</li></ul>	
Shorty – Laravel, PHP, ORM, Tailwind CSS, Livewire, AlpineJS, MySQL, Bash, Linux, Docker, NGINX   Github   Link	Mar 2025
<ul style="list-style-type: none"><li>Developed a URL Shortening platform, integrating middleware, policies, to enforce secure Authorization. Real-time search with Laravel Scout and Typesense, and token authentication via Laravel Sanctum. Deployed live to an Ubuntu Server, with NGINX.</li><li>Implemented unique slug generation (base-62) and secure redirection policies via middleware and Gates. Created REST APIs for link creation and management, Admin panels, Cron Jobs / batch processing, Emails, Policies, and Premium mode.</li></ul>	
Cloud Native Web Application – AWS, GCP, Github, Pulumi, Packer, Linux, Node, Postgres   Github	
<ul style="list-style-type: none"><li>Engineered a secure, scalable infrastructure in AWS. Implemented VPC for network isolation, EC2 instances for computing, and RDS. Enhanced security with IAM profiles and DNS managed through Route53. Configured scaling with Load Balancers &amp; Auto Scaling Groups.</li><li>Established automated CI/CD pipelines using GitHub Actions, facilitating seamless testing and deployment across Linux and Debian environments. Employed Infrastructure as Code practices using Pulumi and AWS CDK, and automated AMI creation using Packer.</li></ul>	