

Anirudh Vijayaraghavan

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Education

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| Master of Science, Software Engineering, Northeastern University, Boston, MA Data Structures & Algorithms, Object Oriented Design, Web Dev.(MERN), UI/UX, Cloud Computing, Operating Systems, Game Dev., SDLC | Dec 2024 |
| 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

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| 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">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.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.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.Partnered directly with founders to translate operational pain points into deliverables, from 3rd party API integrations, candidate testing modules, to long-term cloud scalability, enabling faster product iteration and freeing leadership to focus on growth. | |

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| 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">Worked on truulee.com (currently in pre-launch), a global B2B e-commerce web-application.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.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.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.Developed and maintained RESTful APIs and routes, integrating backend services and frontend interfaces.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.Improved API performance by optimizing Laravel Eloquent relationships, reducing database query time by 8%. | |

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| Technology Analyst, Infosys – Client: MetLife Inc. – Mainframes, Java (Production Support, QA, Development) | Aug 2018 - May 2022 |
| <ul style="list-style-type: none">Received a company-wide domain excellence award for having excellent project deliverables.Led a high-performing AGILE development team, consistently delivering high-quality code, reducing maintenance costs by 14%.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.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.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.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), & TWS (Distributed Job Scheduler).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). | |

Projects

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| CloudPractitionerHelp – Laravel, OpenAI, APIs, PHP, Tailwind CSS, AlpineJS, MySQL, Docker, Git, Linux Github Link | Apr 2025 |
| <ul style="list-style-type: none">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.Engineered a secure and scalable backend. Implemented OAuth authentication, Stripe APIs, OpenAI APIs for agentic work, SMTP.Supercharged the application throughput by ~250%, through asynchronous processing servers (Laravel Octane Swoole Module). | |

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| Shorty – Laravel, PHP, ORM, Tailwind CSS, Livewire, AlpineJS, MySQL, Bash, Linux, Docker, NGINX Github Link | Mar 2025 |
| <ul style="list-style-type: none">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.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. | |

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| Cloud Native Web Application – AWS, GCP, Github, Pulumi, Packer, Linux, Node, Postgres Github | |
| <ul style="list-style-type: none">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 & Auto Scaling Groups.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. | |