Vivek R

📞 +91-7676473136 ✉ vivekraghu171@gmail.com 🔗 linkedin.com/in/vivek-raghu17 🐙 github.com/vivekraghu17

Education

PES University   June 2020
Bachelor of Science in Computer Science (Data Science specialisation) (GPA: 7.80)   *Bengaluru, Karnataka*

- **Relevant Coursework:** Data Structures and Algorithms , Database Management Systems,Software Engineering Principles and Practices, Computer Networks and Distributed Systems, Big Data Analytics and Technologies, Web Development

Experience

RPD Pty Ltd   May 2023 – present
Full Stack Developer and Tech Lead   *NSW, Australia (Remote)*

- Led the agile development of sophisticated web application dedicated to real estate investment strategies, overseeing all phases of the software development lifecycle (SDLC) including requirements gathering, architecture design, implementation, testing, and deployment.
- Demonstrated proficiency in full-stack development technologies including React.js for frontend development and Django for backend API development, leveraging advanced features such as React Hooks, Redux, and Django REST Framework.
- Orchestrated the deployment of web applications on AWS (Amazon Web Services) infrastructure using services such as Amazon EC2, Amazon S3, Amazon RDS, and AWS Elastic Beanstalk, implementing Infrastructure as Code (IaaC) with tools like AWS CloudFormation
- Implemented a comprehensive suite of automated tests including unit tests, integration tests, and end-to-end tests using frameworks like Jest, React Testing Library, Pytest, and Selenium to ensure code quality, reliability, and functionality.
- Took ownership of project deliverables and timelines, actively participating in code reviews, sprint planning, and retrospectives to foster collaboration, accountability, and transparency.

Labfox   Jan 2021 – May 2023
Full Stack Developer (Contract)   *Telangana, Hyderabad (Remote)*

- Contributed to the success of Gritly by designing and implementing a web application facilitating streamlined operations and enhancing user experience.
- Helped Gritly to become a part of the **Google for Startups** program
- React developer with identifying web-based user interactions along with designing and implementing highly responsive user interface components by deploying React concepts and components such as Redux, Hooks, Routing, Next.js and Context API.
- Proficiency in translating wireframes into high-quality code, and writing application interface code via javascript and ReactJs work- flows.
- Monitoring and maintaining frontend performance and troubleshooting and debugging the same to bolster the overall performance.
- Worked with MERN stack for developing application with modules like MongoDB and mongoose for database persistence using Node.js

Publicis Sapient   Jan 2020 – Oct 2020
Trainee Engineer + Associate Developer L1   *Bengaluru, Karnataka*

- Developed Micro-services based on Netflix Micro-services architecture using SpringBoot for API development.
- Optimisation of API execution time by caching static data using Redis and Containerised using Docker.
- UI development using ReactJS, Redux libraries and styled using Material UI components.
- Hosted in AWS using services like EC2, ELB, S3, Cloudfront, Route53.
- Continuous integration and deployment of docker containers using Jenkins.

Projects

Deployed a dynamic Wordpress website on AWS | *AWS EC2, AWS VPC, AWS NAT Gateway, AWS RDS, AWS EFS*
- Built a three-tier AWS network VPC from scratch, created NAT and Internet gateway.Made the architecture fault tolerence by deploying in 2 availability zones.
- Configured security groups, IAM roles for services, created a RDS instances and EFS to mount for set up server.
- Implementing load balancing with Amazon Elastic Load Balancer (ELB) to distribute traffic across multiple instances.
- Configuring auto-scaling groups to automatically adjust server capacity based on traffic demand.
- Performing security audits and compliance assessments to ensure adherence to industry standards (e.g., PCI DSS, HIPAA).
- **Article link:** https://medium.com/@vivekraghu17/deploying-a-wordpress-website-on-aws-d6069034bbfe

Expense Tracker Application | *Django, Javascript, HTML, CSS,*
- Developed a web-based expense tracker application using Django framework, allowing users to track their expenses, categorize transactions, and generate reports. Implemented user authentication and authorization for secure access to personal financial data. Utilized HTML, CSS, JavaScript for frontend development, and Django ORM for database management.
- Successfully implementing a specific feature or functionality (e.g., generating expense reports, integrating with third-party APIs).

Unix File System | *Python, Virtualisation, FUSE*
- A filesystem in user space built using FUSE, a software interface for Unix-like computer operating systems that lets non-privileged users create their own file systems without editing kernel code.
- This project was created as a part of the "Unix System Programming" course at PES University, 2018. FUSE or File System in User Space module provides a "bridge" to the actual kernel interfaces by running file system code in user space.
- Creating a file system can be achieved by writing a Virtual File System which is nothing but an abstraction layer above a more concrete file system to provide custom access to users.

Training and Certifications

AWS Certified Cloud Practitioner

- Demonstrated understanding of fundamental AWS Cloud concepts, including compute, storage, networking, security, and database services.
- Understanding of AWS security best practices, identity and access management (IAM), encryption, and compliance
- Ability to interpret AWS architectural diagrams and design principles for scalable and reliable cloud solutions.

Meta Database Engineer Specialization

- Strong understanding of relational databases (e.g., MySQL, PostgreSQL) and NoSQL databases (e.g., MongoDB, DynamoDB).
- Skilled in database modeling, schema design, and normalization techniques.
- Knowledgeable about data warehousing concepts and ETL (Extract, Transform, Load) processes.
- Familiarity with database security principles, access control, and compliance standards.

Technical Skills

Languages: Python, Javascript, TypeScript, Java,SQL
Technologies: React.js, Django, Spring Boot, Express.js,Node.js, HTML, CSS, MYSQL, MongoDB, Docker, Kubernetes, AWS, Git
Concepts:Cloud Computing, Operating System, Virtual Memory, Cache Memory, Encryption, Decryption, Artificial Intelligence, Machine Learning, API, Database Management, Agile Methodology

Soft Skills

Java gold badge in hackerrank (username:vivekraghu17)
Listed as top 0.1% array user in coding ninja platform (username:vivekraghu171

Hobbies

Football/Soccer analysis on live channel
Drawing