**Pranav Khismatrao**

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Description automatically generated [LinkedIn](https://www.linkedin.com/in/pranavkhismatrao/) |A black and white cat logo

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**TECHNICAL SKILLS**

**Programming:** Java 11, Golang, Python, React/Redux, Angular, Node.js, JavaScript, HTML/DOM, XML, CSS, AJAX, C#, Unix shell

**Frameworks, Libraries, and Tools:** Git, Spring Boot, Spring MVC, Gin, GORM, Elasticsearch, Hibernate, RESTful APIs, Maven, Apache Kafka, JUnit, Mockito, JMeter, Selenium, JWT, CloudFormation, OAuth 2.0, RabbitMQ, Jenkins, Redis, , Hashicorp Vault

**Database Software:** PostgreSQL, MongoDB, MySQL, GraphQL, DynamoDB

**Cloud-Native:** AWS, GCP, Pivotal Cloud Foundry, Tomcat, Kubernetes, Docker, Pulumi, Terraform, Hashicorp Packer

**PROFESSIONAL EXPERIENCE**

**evoAI**, Boston, MA **May 2024 – Aug 2024**

Software Developer Intern

* Designed and deployed cloud infrastructure using **Pulumi** to manage AWS resources **EC2** instances and **RDS** databases, along **with load balancers** achieving a 30% reduction in manual configuration errors.
* Developed and managed **Kubernetes** clusters for hosting **microservices**, ensuring efficient resource utilization of website and utilizing **serverless** for seamless communication between services, resulting in a 25% increase in deployment speed.
* Implemented the fusion of **RESTful APIs**, **SQLite**, offline data synchronization, and seamless operation even in offline scenarios, resulting in a **20% surge** in user satisfaction and retention rates.

**Tata Consultancy Services**, Mumbai, India **Aug 2020 – Jul 2022**

Full-Stack Developer

* Led the development of **10 secure REST APIs** with the **Spring Boot framework**, optimizing the content delivery process to a learning management system designed using React as front-end, achieving more than **5000 users**.
* Implemented **Docker containerization** for microservices deployment, enhancing code integrity and efficiency. This approach reduced deployment risks by **52%** and improved overall project efficiency by **20%**, ensuring scalability.
* Developed and maintained the RESTful API endpoints in Spring Boot with **test driven development (TDD)** of new API endpoints, achieving a 10% improvement in backend response times and a 20% reduction in downtime.

**Sudesi Infotech**, Mumbai, India                                                                                                                **Aug 2019 – Dec 2019**

Android Developer Intern

* Architected Android application frontend screens employing Intents and **MVVM** Model in **Android** Studio, catalyzing a 40% surge in user engagement and slashing bounce rates by 25% within three months.
* Developed a system to harness the **Firebase** to store and retrieve NoSQL data adeptly, culminating in a **60% reduction** in access latency and propelling application responsiveness by 30%.

**ACADEMIC PROJECTS**

**Assessment Management System Sep 2023 – Dec 2023**

**| Spring Boot, PostgreSQL, AWS-EC2, IAM, DNS, RDS, GCP, VPC, CloudWatch, SNS, Route53, Linux**

* Designed and implemented a robust **multi-AZ** assessment platform featuring authenticated RESTful CRUD APIs with a robust logging mechanism and event-driven architecture.
* Crafted scalable app with coding standards along with **Lambda serverless** service, testing, documentation, and CI/CD workflow, reducing manual oversight by 30+ minutes per PR with **GitHub Actions** and **HashiCorp Packer.**

**Online Movie Booking System | Java, Spring Boot, Hibernate, MySQL** **Mar 2023 – Apr 2023**

* Developed a robust Movie Booking System featuring secure user registration, efficient **ticket booking,** and a comprehensive admin portal for managing the movie database with **100 records**.
* Utilized **token-based Authentication and authorization** to fortify endpoints, ensuring robust access control and enforcing appropriate status codes.

**NU Chronicles** | **Node.JS, OAuth2.0, Elastic Search, RabbitMQ, Express.js Nov 2022 – Dec 2022**

* Built a responsive and interactive front end using **React**, resulting in a 50% increase in user engagement, with an additional 10 users due to enhanced UX and performance
* Applied React performance optimization techniques such as **lazy loading, code splitting**, and memoization, which resulted in faster load times and more efficient rendering.

**EDUCATION**

**Master of Science, Software Engineering Systems** **May 2024**

Northeastern University, Boston, MA GPA: 3.6/4.0

**Bachelor of Engineering, Computer Software**   **May 2020**

Mumbai University, India

Key Responsibilities:

* Design, develop, and maintain AI/ML models and algorithms that can be scaled and integrated into our products and services.
* Collaborate with cross-functional teams to understand business challenges and provide AI-driven solutions.
* Conduct data cleaning, preprocessing, and feature engineering to optimize the performance of AI/ML models.
* Implement best practices in machine learning development and stay up-to-date with the latest industry trends and advancements.
* Write clean, maintainable, and efficient code that adheres to company standards and practices.
* Evaluate and compare the performance of different AI/ML approaches and models using relevant metrics.
* Participate in code reviews, contribute to team discussions, and share knowledge with peers.
* Assist in the deployment of machine learning models to production environments, ensuring robustness and scalability.
* Troubleshoot and optimize AI/ML systems for improved accuracy and efficiency.
* Document technical processes, model development, and deployment procedures.

Qualifications:

* Bachelor’s or Master’s degree in Computer Science, Engineering, Mathematics, or a related field.
* At least 3 years of experience in software development, with a focus on AI and ML.
* Proficiency in programming languages such as Python, Java, or C++.
* Experience with ML frameworks and libraries such as TensorFlow, PyTorch, scikit-learn, or similar.
* Strong understanding of machine learning algorithms, deep learning architectures, and their mathematical underpinnings.
* Familiarity with cloud services and platforms (AWS, GCP, Azure) for ML model deployment.
* Knowledge of data structures, algorithms, and software engineering principles.
* Excellent problem-solving skills and the ability to work independently or as part of a team.
* Strong communication skills, both verbal and written, with the ability to convey complex technical information clearly and concisely.