

# KISHOREKUMAR BATHINI SANKARAN

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## Education

**California State University, Fresno** *Master of Science in Computer Science GPA: 3.67/4* **2022 – 2024**  
**Anna University** *B.E. in Computer Science & Engineering GPA: 8.49/10* **2018 – 2022**

## Experience

**California State University, Fresno** **Jan 2024 – Present**

*Instructor - CyberSecurity Certificate, Beginner Program*

- Instructing cybersecurity principles with a focus on beginner-level concepts and software architecture.
- Guiding students through hands-on modules such as Introduction to Programming, Access Control, and Authentication.
- Empowering students with practical skills in Python, cloud computing, and legal aspects for future career success.
- Developed curriculum on applying cybersecurity policies in scenarios, adhering to global regulations.

*Teaching Associate - CSCI 40 Introduction to Programming & CSCI 117 Structures of Programming Languages*

- Providing comprehensive guidance on C++, & Haskell, focusing on variables, arrays, control statements, and functions.
- Guiding students in applying programming techniques for problem-solving, including iteration and recursion.
- Assisting in teaching complex concepts like data structures, pointers, enhancing students programming proficiency.
- Helping students grasp diverse programming paradigms, including functional, logic, and distributed programming, with practical examples.

**Cognizant Technology Solutions** | *Software Engineer I Intern*

Chennai, India **Feb 2022 – July 2022**

*Full Stack Developer*

Chennai, India

- Acquired comprehensive web technology skills, including HTML, CSS, JavaScript, Python, Java, and data structures.
- Successfully transitioned to advanced development tools like React, Django, and MongoDB for complex projects.
- Collaborated effectively with senior developers, enhancing problem-solving and analytical skills in dynamic teams.
- Executed and led a full-stack project using Django, MongoDB, and Python, increasing user satisfaction by 25%.
- Implemented CI/CD pipelines with Jenkins, improving deployment processes and code quality.
- Participated in peer code reviews, ensuring adherence to SOLID principles and company coding standards.

**Ruchi Soya Industries Ltd** | *Junior Software DevOps*

Tiruvallur, India **Aug 2021 – Dec 2021**

*Full Stack Developer*

Chennai, India

- Gained exposure to various web technologies, such as HTML, CSS, JavaScript, Python, Java, and SQL databases.
- Learned how to use modern development tools like Docker and AWS for deploying and managing web applications.
- Contributed to a cloud-based project using Docker, AWS, and Python, increasing system efficiency by 15%.

## Projects

**Design Pattern-Driven Online Marketplace** | *Python, JavaScript*

**Sept 2023**

- Orchestrated end-to-end SDLC implementation for a dynamic Python-Django marketplace, applying SOLID principles.
- Utilized design patterns like Factory, Decorator, and Observer to enhance scalability, flexibility, and maintainability.
- Crafted an intuitive, responsive user interface using HTML, CSS, JavaScript, optimizing for user engagement.
- Implemented advanced search features, facilitating improved product discovery and streamlined user navigation.

**Blog API** | *Python, Django, REST*

**May 2023**

- Developed a RESTful API for a blog using Python and Django, supporting CRUD operations and JSON responses.
- Designed and implemented a PostgreSQL schema to store blog posts, comments, and users, ensuring data integrity.
- Applied Django REST Framework to create serializers, views, and routers for API endpoints, simplifying code structure.
- Tested and documented the API using Postman and Swagger, facilitating debugging and API usage.
- Implemented authentication, authorization, and validation using JWT, permissions, and validators, enhancing data security.

**Automated Testing Framework** | *Python, Selenium, Jenkins*

**Jan 2023**

- Developed an automated testing framework using Python and Selenium to efficiently test web applications.
- Implemented test scripts to cover various scenarios, including functional, regression, and integration testing.
- Integrated the framework with Jenkins to enable continuous integration and delivery, ensuring faster feedback loops and improved software quality.
- Achieved 80% test coverage and reduced manual testing efforts by 60%, resulting in faster time-to-market.

## Technical Skills

**Languages:** Python, Java, C++, SQL, HTML, CSS, JavaScript, ReactJS, NodeJS, JUnit, Swift, and Kotlin

**Developer Tools:** Git, Virtual Machine, Github, Gitlab, WireShark, and Visual Studio Code

**Databases:** : MySQL, PostgreSQL, and MongoDB

**Miscellaneous:** CI/CD, Linux, Maven, Selenium, Spring Boot, Agile, Scrum, Kanban, API, jQuery, Kubernetes, AWS, JMeter, Gatling, Appium, Nginx, Jenkins, and JIRA