Suraj Khamkar

📞 (864)-765-4947 ✉ skhamka@clemson.edu 💼 linkedin.com/in/suraj-b-khamkar 📍 Charlotte, NC

EDUCATION

Clemson University — **August 2022 - May 2024**
Master of Science in Computer Science — *Clemson, SC*

Center for Development of Advanced Computing — **August 2019 - February 2020**
Post-Graduate Diploma in Advanced Computing — *Pune, India*

Shivaji University — **August 2015 - May 2019**
Bachelor of Engineering in Electronics and Telecommunication — *Kolhapur, India*

EXPERIENCE

Full Stack Developer — **May 2024 – Present**
Atlantic Packaging — *Charlotte, NC*
- Integrated OpenAI's ChatGPT API into the company website, trained on company data for tailored responses, and stored user queries to improve future interactions.
- Developed subscription management pages in React, enabling 1000+ users to subscribe to email notifications and reports, enhancing user engagement by 30%.

Software Developer Intern — **January 2024 – May 2024**
Atlantic Packaging — *Charlotte, NC*
- Implemented stored procedures and Python scripts to clean and restore 513 million records of corrupted data across multiple tables, ensuring 100% data integrity and reliability in production.
- Created and maintained CI/CD pipelines for both frontend and backend applications using Azure DevOps, enhancing development efficiency and deployment consistency.
- Set up an Azure test environment mirroring production with 70% fewer resources, deploying .NET via Web Apps, React as static pages, and managing 20+ key-vault secrets for secure access.

Application Developer Intern — **August 2023 – December 2023**
Clemson University — *Clemson, SC*
- Developing React Native app with responsive design to visualize, get response, and control real-time temperature data
- Coded reusable server-side RESTful API from scratch coupling Django backend with SQL Server database to achieve seamless user experience resulting in a 20% reduction in the response time.

Software Developer — **March 2020 – July 2022**
EnterpriseDB — *Pune, India*
- Conceptualized problem-solving, agile methods and effectively collaborated with a cross-functional team of 25 members during the development of new software application features and introduced to software development life cycle.
- Debugged and resolved critical production bugs identified by the internal team and customers, resulting in a 44% decrease in customer tickets applying C and C++ with object-oriented programming concepts.
- Thoroughly studied the grammar rules of PostgreSQL, dedicating over 50 hours to mastering its intricacies. Expanded the help (\h) and tab completion support functionalities with the latest findings.
- Revised password redaction feature for log files produced by 5 system sources that will help redact sensitive information.
- Enhanced table partition feature enabling ROWIDS to identify every row uniquely with B-Tree indexing felicitated 10% faster search and insertion operations in both partitioned and non-partitioned tables.

SKILLS

Programming Languages: Java, Python, C, C++, JavaScript, TypeScript
Web Development: HTML, CSS, React, NodeJS, Express, Spring Boot, Angular, Tailwind, Material UI
Database: SQL Server, Postgres, Oracle, MySQL
Cloud Services: Azure (Web App, Key Vault, Function App, VPN), AWS (EC2, VPC, S3, IAM, Lambda, CloudFront)
Tools: Azure DevOps, JIRA, Linux, Git, Docker, Kubernetes, Tableau, VS Code, Visual Studio, Eclipse

PROJECTS

Music Player for Android and iOS | *React Native, Material UI, Track Players*

Social Networking Website | *React, NodeJS, JavaScript, Tailwind, Postgres*

Food Delivery System | *Java, Angular, Spring, Eclipse, AWS*