

ASHIWANI KUMAR VERMA

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EXECUTIVE SUMMARY

A results-driven Full Stack Developer with over 10 years of experience in designing, developing, and deploying robust web applications and RESTful APIs. I specialize in building modern, scalable solutions using **Python** frameworks like **Django**, **FastAPI** and **Flask**, and front-end libraries like **React.js**, complemented by extensive experience with **Azure** cloud services, including Azure SQL. I have a proven ability to maintain and enhance legacy systems while driving the development of new features in a fast-paced, agile environment. My background includes leading development teams, optimizing application performance, and collaborating effectively with cross-functional stakeholders to deliver high-quality software products.

CORE COMPETENCIES

- **Front-End:** React.js, Redux, JavaScript, HTML5, CSS3, Responsive Design, Next.js, jQuery
- **Back-End:** Python, FastAPI, Flask, Node.js, PHP, VB.NET, OOP, Redis, Design Patterns
- **Databases:** Azure SQL, MySQL, PostgreSQL, MongoDB, DynamoDB, Redis, Oracle
- **Cloud & DevOps:** Azure, AWS, Docker, Kubernetes, CI/CD, Azure Service Bus, RabbitMQ, Kafka
- **Web Automation & Tools:** Playwright, Git, SVN, Webpack, Enzyme
- **Leadership & Collaboration:** Agile Methodologies, Code Review, Team Leadership, Mentoring, Technical Documentation
- **Problem Solving:** Analytical Thinking, Performance Bottleneck Identification, Root Cause Analysis
- **Emerging Technologies (Applied Learning):** AI/ML Concepts, NLP, RAG, Vector Databases, LLM Integration (GPT, BERT), Visual Basic Language

PROFESSIONAL EXPERIENCE

Senior Software Engineer II | OpSec Online India Private Limited (*Crane NXT*) | Jul 2021 – Jun 2025

- **Designed and built scalable**, RESTful APIs using Python frameworks including **FastAPI** and **Flask** for enterprise-level automation applications, ensuring high availability on Kubernetes.
- **Developed and maintained** responsive front-end interfaces using **React.js** and **CSS**, collaborating with UI/UX designers to implement new features and enhance user experience.
- **Managed and optimized** Azure SQL databases, including writing stored procedures and performing performance tuning to ensure data integrity and speed.
- **Led the maintenance and enhancement** of existing applications, including systems built with **VB.NET**, ensuring seamless integration with modern services.
- **Optimized application performance** and scalability by identifying and resolving complex issues through profiling, debugging, and metrics analysis.
- **Participated actively** in code reviews, testing, and deployment processes within a CI/CD pipeline, utilizing **Docker** and **Kubernetes** for containerization and orchestration.
- **Authored and maintained** comprehensive documentation for code, system architecture, and processes.
- **Technologies Used:** Python, Flask, FastApi, Django, React.js, Next.js, Php, Mssql, MySql, CSS, HTML, AWS, Docker, Kubernet, AI Model.

Senior Software Engineer (Team Lead) | Halsys Tech Pvt Ltd | Jun 2019 – Jun 2021

- **Directed a team of 8 developers and 3 designers**, consistently achieving project delivery ahead of deadlines while maintaining high quality standards.
- **Crafted and documented enterprise architectural blueprints**, ensuring technical vision alignment with business objectives for all stakeholders.
- **Monitored and optimized existing infrastructure and architectural frameworks**, introducing performance enhancements and necessary updates.
- **Effectively communicated** target architectural plans and company roadmaps across departments, fostering a unified technical direction.
- **Mentored and provided technical guidance** to junior team members, significantly enhancing overall team capabilities and professional growth.

- **Partnered with Project Managers and Business Analysts** to develop high-level project schedules and resource plans, ensuring efficient project implementation.
- **Conducted critical design reviews**, guaranteeing strict alignment of implementation with architectural plans and roadmap objectives.
- **Served as a key technical consultant** for numerous clients, delivering innovative solutions that demonstrably improved system efficiency.
- **Conducted in-depth analysis and improvement initiatives** for web-based portals, resolving critical errors and fortifying system security and encryption.
- **Technologies Used:** Php, Python, React.js, Next.js, MSSQL, MySQL, CSS, HTML, AWS, Docker, Kubernetes

Senior Software Engineer | Prathigna Hr Solutions Pvt Ltd | Sept 2017 – May 2019

- **Developed core business requirement modules** and implemented bespoke e-commerce websites and web applications tailored to client specifications.
- **Wrote, optimized, and maintained high-quality code** for a diverse portfolio of client projects, ensuring robust functionality.
- **Executed comprehensive testing protocols** for all developed applications and websites, guaranteeing stability and performance.
- **Directly liaised with clients** to effectively gather complex requirements and provide expert technical insights.
- **Coordinated seamlessly** with Operations, QA, and Development Teams to streamline bug fixing, testing cycles, and efficient application deployment.
- **Technologies Used:** Php, React.js, MSSQL, MySQL, CSS, HTML, AWS, Docker, Kubernetes

Software Engineer | R Z International Pvt Ltd | Apr 2015 – Aug 2017

- Developed and implemented web applications based on detailed client specifications.
- Contributed to all phases of the software development lifecycle, focusing on coding and initial quality assurance.

- Collaborated effectively with the Operations Team to ensure project development met all specified requirements.
- development met all specified requirements.
- **Technologies Used:** Php, Mysql, Css, HTML, AWS

KEY PROJECTS

- **REST API Design & Implementation:** Designed and deployed robust REST APIs using Python (**FastAPI, Flask**) for various internal and client-facing applications, improving system integration and data exchange.
- **E-commerce Platform Development:** Led development for multiple custom e-commerce websites (e.g., www.wraps.in, <https://ogsdsd.com/>, <http://www.funrento.com/>), enhancing online presence and sales capabilities.
- **Large-Scale Portal Contributions:** Contributed significantly to major online platforms including job boards (<http://www.hullojobs.com/>, <http://xyzjobs.in/>) and financial applications (<https://goodbyedeuda.com/>).
- **Application Deployment & Coordination:** Orchestrated seamless application deployment to test and live servers through meticulous cross-functional team coordination.

EDUCATION

Bachelor of Engineering in Electronics & Communication Engineering | VTU | Bheemanna Khandre Institute of Technology, Bhalki, Karnataka | 2014 | 70.00%

AWARDS & RECOGNITION

- **Special Achievement Award for Software Development.**
- Zonal Coordinator for Zonal Round of Robotryst 2014.
- Student Coordinator for Recent Innovations in Engineering and Technology 2014.
- Active Volunteer at multiple International and National Conferences on Communication, Computation, Control & Nanotechnology (2010, 2011), Emerging Information Technology & Engineering Solutions (2012), and Recent Advances In Science &

Technology (2014), demonstrating commitment to continuous learning and community engagement.