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Summary:

Full Stack Developer with 4+ years of experience architecting and delivering scalable web applications across fintech, research, and commercial domains. Demonstrated expertise in single-handedly building complex platforms from scratch, including academic pathway visualization systems, bioinformatics research tools, and e-commerce solutions. Proven track record in optimizing application performance, implementing secure payment systems, and developing interactive data visualizations. Skilled in leading development teams while managing multiple projects in fast-paced environments. Strong technical foundation in Angular, React, Node.js, Python, and cloud technologies, with experience in handling high-traffic applications and integrating complex third-party APIs.

Technical Competencies:

Programming & Scripting: Python, C, C++, Java, **JavaScript**, **TypeScript**, PHP, R.

Frontend Development: React.js, **Angular**, jQuery, Bootstrap, CSS, HTML.

Backend Development: Django, **FastAPI**, Flask, **Node.js**, Spring Boot.

Database Management: MySQL, MongoDB, Oracle, SQLite.

Cloud & DevOps Tools: GCP, AWS (EC2), Docker, Kubernetes, Jenkins.

Tools/IDE/Application Servers: Visual Studio, **Web Storm**, VS Code, **PyCharm** and **Git**.

Professional Experience:

Real Equity Management | Columbia, MO, USA | Jan 2025 – Current

Full Stack Developer

- "Spearheaded development of [The Kitchen](#) as lead developer using React.js, Python FastAPI, and AWS EC2, architecting a complete e-commerce and reservation platform from concept to launch"
- Implemented complete e-commerce flow including menu management, cart functionality, and secure checkout using Stripe payment integration
- Built custom reservation system integrating multiple booking types (open play, events, parties) using Planyo and Tripleseat APIs
- Developed interactive game room layout and selection interface, improving user booking experience and reducing support queries by 50%
- Architected scalable backend using Python and SQLite, handling concurrent reservations and real-time inventory management
- Created dynamic content management system allowing staff to update menus, events, and promotions without developer intervention
- Engineered responsive design system ensuring seamless experience across desktop and mobile devices with 99% uptime
- Implemented comprehensive analytics tracking to monitor user behavior, booking patterns, and sales metrics
- Built and optimized AWS EC2 deployment pipeline, ensuring reliable and consistent updates
- Integrated digital waiver system streamlining customer check-in process and reducing paper waste

Real Equity Management | Columbia, MO, USA | July 2024 – Dec 2024

Full stack developer Intern

- Developed "The Kitchen Grill & Games" website from ground up using React.js and Python FastAPI Built responsive landing page and core UI components, achieving 45% improvement in mobile user engagement
- Implemented shopping cart functionality and reservation system handling 500+ daily transactions
- Created CI/CD pipeline using GitHub Actions, enabling automated testing and deployment
- Designed and implemented RESTful APIs for menu management and booking systems
- Developed waiver system integration, streamlining customer onboarding process
- Collaborated with cross-functional teams to gather requirements and implement new features
- Built reusable component library reducing development time for future features by 30%

University of Missouri | Columbia, MO, USA | *January 2023 – December 2024*

Full stack developer – Graduate Assistant

MU-Path - Academic Pathways Visualization Platform (*Lead Full Stack Developer*)

- Single-handedly architected and developed an interactive pathway visualization system from scratch, enabling students to navigate complex academic prerequisites and course relationships
- Built an intuitive graph visualization interface using React, allowing dynamic rendering of course pathways and dependencies
- Engineered dual backend architecture using Node.js and Python to handle complex pathway algorithms and data processing
- Implemented custom pathway generation algorithms to automatically create and update course prerequisite maps for 100+ academic programs
- Created RESTful APIs to handle real-time pathway updates and course information retrieval, ensuring data consistency across the platform
- Designed and optimized MySQL database schema to efficiently store and query complex course relationships and prerequisite chains
- Established automated CI/CD workflows using GCP Cloud Build, ensuring reliable deployments and system stability
- Delivered weekly sprint milestones independently, maintaining clear documentation and incorporating stakeholder feedback
- Implemented caching strategies and lazy loading techniques, reducing pathway rendering time by 65%

P3DB (Plant Protein Phosphorylation Database) (*Full Stack Developer*)

- Designed and implemented the main navigation system featuring an interactive header with dynamic dropdown menus, enhancing platform accessibility
- Created the comprehensive Datasets interface with advanced filtering and visualization capabilities, managing data presentation for thousands of phosphorylation records
- Engineered the BLAST search functionality, enabling researchers to perform complex sequence alignment queries against the phosphorylation database
- Developed the Kinase-Client Network visualization tool using advanced graph algorithms, allowing researchers to explore protein interaction networks
- Built an innovative AI-powered query interface (Ask AI) integrating natural language processing for intuitive database interactions
- Implemented the Ortholog Conservation analysis tool, facilitating cross-species protein phosphorylation pattern comparison
- Architected RESTful APIs using FastAPI for all major platform features, ensuring efficient data retrieval and processing
- Led bug detection and resolution efforts across the platform, improving system stability by 75%
- Collaborated with research teams to implement new features based on user feedback and research requirements
- Optimized frontend performance using Angular lazy loading and caching strategies, reducing page load times by 55%

Accolite Digital | Hyderabad, India | July 2021 - December 2022

Software Developer

- Led end-to-end development of an e-commerce platform using Angular 12, TypeScript, and Spring MVC, delivering core features that increased customer conversion rate by 25%
- Architected and implemented RESTful APIs with Spring Framework, handling 50,000+ daily transactions with 40% improved response time
- Developed 12+ reusable components using Angular Material and Bootstrap 5, establishing coding standards adopted across 3 project teams
- Implemented Test-Driven Development (TDD) using Jasmine and Karma, achieving 85% test coverage across new features
- Mentored 3 junior developers in Angular best practices and OOP principles while following Agile/Scrum methodologies
- Enhanced application performance through Angular lazy loading and Spring MVC optimizations, reducing page load time by 50%
- Built responsive UI layouts using HTML5, CSS3, and Bootstrap, improving mobile user experience and increasing mobile traffic by 35%
- Collaborated with product owners using JIRA and Confluence for requirement gathering and documentation, reducing clarification cycles by 60%

Accolite Digital | Hyderabad, India | June 2020 - June 2021

Software Developer Intern

- Engineered responsive web applications using Angular and TypeScript, delivering a customer management tool that improved client workflow efficiency by 40%
- Developed 8+ reusable UI components using Angular Material, reducing development time by 30% and establishing component library standards
- Implemented comprehensive unit testing achieving 90% code coverage, resulting in 45% reduction in post-deployment issues
- Optimized application performance by reducing load time by 35% through code refactoring and implementing lazy loading techniques
- Collaborated with cross-functional teams across 3 client projects, including NTT Data, delivering solutions ahead of sprint deadlines
- Integrated RESTful APIs with frontend applications, handling real-time data processing for 10,000+ daily user transactions
- Maintained detailed technical documentation and contributed to knowledge base articles, reducing onboarding time for new team members by 25%

Education:

University of Missouri Columbia | Columbia, MO | Jan 2023 - Dec 2024

Master of Science in Computer Science | GPA: 3.85/4.0