Brandon Wadley

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Senior Full Stack Developer

Senior Full Stack Developer with over 9 years of experience in designing and developing robust web applications. Proficient in JavaScript/TypeScript, Java, and Python. Expertise in integrating AWS services and managing CI/CD pipelines. Strong background in cloud computing, containerization, and cross-platform mobile development. Proven track record of leading development teams, mentoring junior developers, and driving continuous improvement in software projects. Adept at critical thinking, time management, and adaptability. Excellent communication skills, ensuring effective collaboration and project success.

Experience

09/2021 - PRESENT

Senior Full Stack Developer | Simform

- Spearheaded the development of a real-time video streaming platform, utilizing Next.js for frontend, Nest.js, Node.js for backend development.
- Knowledgeable about SEO techniques and best practices to enhance website visibility and ranking on search engine results pages.
- Implemented build processes with Rollup, Webpack, and Babel, enhancing application performance and maintainability by streamlining the workflow and minimizing bundle size.
- Used Tailwind CSS, Material UI for the CSS framework.
- Developed and maintained a mobile application using React Native, ensuring a seamless cross-platform experience with high performance and user-friendly interfaces.
- Integrated WebRTC technology into the platform for peer-to-peer audio/video communication.
- Designed and implemented RESTful APIs.
- Led the integration of RabbitMQ for messaging.
- Designed and implemented scalable real-time data streaming solutions using Apache Kafka, facilitating efficient data processing and integration across distributed systems.
- Implemented Prisma V2 as the primary ORM for a backend system, enhancing data modeling capabilities and improving database query efficiency and management.
- Configured and managed video stream server instances to support features like screen sharing, recording, and chat messaging in real-time communication sessions.
- Integrated the AWS Transcribe and Generative AI, NLP technologies, leveraging LLM models, to enhance meeting experiences.
- Integrated OAuth and JWT authentication mechanisms to enhance the security of user data and transactions.
- Ensured seamless integration with Nest.js for server-side logic including real-time communication through WebSocket protocols, MongoDB database interactions using

TypeORM, AWS S3 for storage and deployment using Docker and AWS EC2, App Sync, RDS, Kinesis.
- Developed and maintained serverless applications using AWS Lambda and managed real-time data processing with Kinesis streams.
- Monitored and troubleshooted issues within Docker containers and Kubernetes clusters.
- Managed source control and collaborative projects using Git, GitHub.
- Tracked project progress and metrics using Agile project management tools such as Trello.
- Implemented best practices for code quality, security, and performance optimization.
- Provided strong technical leadership and guidance to the development team, fostering a culture of continuous improvement and collaboration.

02/2018 – 08/2021
Full Stack Developer | Radix
- Developed and maintained a large scale e-commerce platform using React with Typescript and Python/Django.
- Architected and documented effective solutions while leveraging state management libraries like Redux and React Context API, showcasing a penchant for learning new technologies and applying strong pragmatic thinking.
- Developed mobile applications for ecommerce platforms using React Native, ensuring compatibility and performance across Android and iOS devices.
- Implemented SEO strategies, including keyword research, on-page optimization, and link building.
- Created and supported RESTful APIs.
- Implemented asynchronous data processing and real-time features with FastAPI, significantly improving application responsiveness and user experience.
- Utilized PostGIS for spatial data storage and analysis, enhancing geospatial query capabilities and supporting the development of location-based services and applications.
- Managed large-scale databases with PostgreSQL.
- Implemented Kafka messaging system to enhance real-time data processing for a high-traffic.
- Prioritized cybersecurity by adopting secure coding practices.
- Integrated various payment gateways.
- Leveraged Python for hardcore development tasks, utilizing libraries and tools such as Anaconda, pytest, NumPy, and Pandas for data processing and analysis.
- Deployed Python applications on AWS services including S3, EC2, ECS, EKS, VPC and Lambda.
- Configured and managed AWS IAM roles, Security Groups and other AWS resources to ensure secure and efficient cloud operations.
- Implemented AWS CloudFront for content delivery and AWS Route 53 for DNS management.
- Implemented continuous integration and continuous deployment (CI/CD) pipelines using Jenkins, automating the deployment process.
- Led the implementation of unit testing and end-to-end testing frameworks.
- Conducted thorough QA processes, leveraging solid debugging skills to identify and resolve complex issues efficiently.

- Utilized JIRA for project management and issue tracking, ensuring transparent and efficient workflow.
- Managed data governance and metadata using Collibra.
- Maintained compliance with industry standards like PCI DSS to protect sensitive customer information and maintain trust.
- Used SharePoint for document management and team collaboration.

07/2015 – 01/2018
Full Stack Developer | Startup House

- Developed a comprehensive company website and social media platform with Angular for frontend and Java Spring Boot for backend, catering to thousands of active users, featuring real-time communication, media sharing, and social interaction functionalities.
- Demonstrated strong expertise in ORM frameworks such as JPA and Hibernate.
- Designed and implemented batch processing solutions using Spring Batch, managing large-scale data processing and ETL tasks efficiently.
- Developed macOS and iOS applications using Swift and SwiftUI.
- Designed and managed relational database schemas using MySQL.
- Led the development of innovative payment processing systems for a leading FinTech company.
- Played a key role in containerization efforts, utilizing Docker for packaging applications and Kubernetes for container orchestration.
- Developed and deployed serverless applications with AWS Lamda, SNS, SQS, DynamoDB, CDK and API Gateways.
- Leveraged CloudWatch and ELK Stack for application monitoring and troubleshooting, ensuring high availability and performance.
- Proficiently utilized AWS CLI for automating cloud resource management, deploying applications, and scripting routine tasks to streamline workflows and enhance operational efficiency.
- Utilized AWS Cognito for authentication and authorization.
- Implemented authentication and authorization using Auth2.
- Collaborated with design and product teams to define requirements and deliver robust, user-friendly applications on the Apple ecosystem.
- Designed and implemented a GraphQL API for efficient data retrieval and manipulation.
- Integrated MongoDB for database management and Elasticsearch for advanced search functionalities.
- Configured and managed NGINX as a web server and Sidekiq for background job processing.
- Automated CI/CD pipelines using Jenkins and AWS CodePipeline to ensure seamless deployment.
- Utilized Ansible for configuration management and deployment automation.
- Implemented infrastructure as code (IaC) using CloudFormation and Terraform to manage cloud resources.
- Monitored application performance and server health using New Relic, and Redshift.
- Developed automation scripts using Bash to streamline various development and deployment tasks.
- Integrated PayPal for secure and efficient payment processing on the platform.

Junior Full Stack Developer | Seedx

- Utilized JavaScript, TypeScript, and React.js to develop interactive and user-friendly web applications.
- Collaborated with UI/UX designers and Product Owners to translate design mockups into interactive web applications.
- Implemented reusable components and front end libraries, enhancing code maintainability and efficiency.
- Optimized applications for maximum speed and scalability.
- Developed and maintained 3D web applications using Three.js, enhancing user interaction and visualization.
- Applied advanced linear algebra and 3D geometry concepts to create realistic models and simulations.
- Utilized D3.js to create dynamic, data-driven visualizations, aiding in data analysis and decision-making processes.
- Engineered responsive and interactive web pages using HTML5, CSS, and DOM manipulation.
- Integrated REST APIs to fetch and display data dynamically, improving user engagement and information accessibility.
- Implemented graphics and interactive elements using HTML canvases to enhance the user experience.
- Developed robust backend systems with Node.js, Express.js, ensuring high performance and scalability.
- Employed Ajax for asynchronous data fetching, optimizing page load times and user interactions.
- Led development and deployment of cloud-based applications on Microsoft Azure, leveraging its services to ensure reliability and scalability.
- Used Git for version control, collaborating with team members to manage codebase and track changes.
- Engaged in Agile/Scrum methodologies, participating in sprint planning, stand-ups, and retrospectives.
- Developed and maintained test suites using Cypress Testing Framework, ensuring high-quality and reliable code.

Skills

- **Programming Languages**: Python, Java, JavaScript, TypeScript, Swift
- **Frontend Technologies**: HTML, CSS (SCSS), JavaScript (ES5+), React.js, Angular.js, Vue.js, MaterialUI, Next.js, JQuery, React Native, Redux, Mobx, Context API, Webpack, Responsive Design, Styled Components, Bootstrap, Tailwind, Storybook, SwiftUI, Three.js, D3.js
- **Backend Technologies**: Node.js, Express.js, Nest.js, J2EE, Spring Boot, Hibernate , JPA, Django, Flask, FastAPI, Prisma V2, GraphQL, RESTful APIs, Microservices, WebSocket
- **Databases**: Microsoft SQL Server, MongoDB, MySQL, PostgreSQL, Redis

- **Continuous Integration/Continuous Deployment** : Jenkins, CircleCI
- **Configuration Manager**: Ansible, Puppet
- **Infrastructure as a Code**: Terraform, AWS CloudFormation
- **Cloud Platforms**: AWS S3, EC2, RDS, DynamoDB, ECS, Step Functions, SNS, SQS, VPC, CLI, App Sync, IAM, AWS Glue, AWS Lambda, CloudWatch, CDK, AWS CodePipeline , Kenesis, Redshift, Azure Cloud
- **Testing & Debugging**: Chai, Enzyme, Jasmine, Jest, Karma, Mocha, Cypress, Selenium, JUnit, Pytest
- **Bug Tracking Tools**: Bugzilla, Jira, Trello
- **Tools & Platforms**: RabbitMQ, WebRTC, LiveKit, Gradle, Maven, Docker, Kubernetes, Kafka, Confluence, Tableau, NGINX, PostGIS, GIS
- **Methodologies & Practices**: Agile, Waterfall, SDLC, Lean, TDD
- **Version Control**: Git, GitHub, GitLab

Education

Bachelor of Science in Computer Science
09/2009 – 06/2013
TEXAS TECH UNIVERSITY