CHARLES BLEISCH

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SUMMARY

Experienced Software Engineer with 10+ years specializing in Full Stack Web Development, Senior Front End Development, API Development, CI/CD, and Systems Architecture. Skilled in crafting innovative solutions, leading teams, and delivering scalable software products. Expertise in front-end and back-end technologies to architect robust, user-centric applications. Committed to staying current with emerging technologies to drive continuous improvement and achieve organizational goals.

CERTIFICATIONS

- AWS Technical Certification
- SAFe 5 Practitioner Certification

EXPERIENCE

Our Daily Bread Ministries   Mar 2018 - Apr 2024

Software Engineer

- Lead feature architect on a variety of front-end and back-end features.
- Delivered scalable, robust REST API services in a serverless environment using microservice architecture with JSON and XML response objects.
- Implemented Cypress for end-to-end testing with parallel runners during deployment on AWS CodePipeline.
- Implemented Jest + Mocha for unit tests on various microservices to ensure code quality.
- Architected and developed complex features for the business's React website such as User Permissions, User Privacy, Internationalization, and AB testing using features such as Higher Order Components, Render Props, React Functional Components, Custom React Hooks, Custom React Reducers, and Redux.
- Developed and maintained a system for migrating hundreds of thousands of users from a WordPress multisite environment to AWS Cognito with Lambda triggers.
- Refined user registration, confirmation, and password reset emails using email templating, the ODBM Internationalization microservice, and Lambda Triggers.
- Designed and developed a custom WordPress plugin to handle migrating website content from WordPress to DynamoDB using the AWS SDK in PHP.
- Worked across teams with UI/UX developers to design and deliver responsive websites using Material UI, Bootstrap, media queries, CSS Flexbox, and CSS Grid.
- Lead daily scrum on occasion to align the team and remove blocks.
- Employed Github Actions, and Local by Flywheel, to rapidly develop WordPress sites hosted on WP Engine and automatically deploy to production and development environments.

- Onboarded and trained several junior colleagues in completing work across the various stacks and products we maintained.
- Used Innovation and Planning sprints (IP) to create new web applications such as:
  - Transaction dashboard built with NextJS for MSRs to review Stripe transactions.
  - A progressive web application for FireTVs using NextJS.
  - Interactive features like realtime prayer requests and likes counter using GraphQL, DynamoDB, and AppSync.

Specialized Computer Solutions   Mar 2014 - Mar 2018
Web Developer

- Developed and maintained custom web applications for diverse clients using WordPress, Laravel, and Prestashop.
- Developed UI/UX and transformed wireframes and mockups into interactive, intuitive, responsive web experiences, increasing user engagement.
- Employed CSS media queries and responsive design principles to ensure cross-browser compatibility and optimal user experience across various devices.
- Migrated legacy client websites into new platforms to Increase site maintainability and performance.
- Established best practices using Github and WP Engine to rapidly develop and deploy new client websites.

SKILLS

Advanced
JavaScript, Typescript, HTML5, CSS3, PHP, WordPress, React, Next, REST APIs, API Gateway, CloudFront, Lambda, DynamoDB, Node, Scrum, Agile, SAFe, Jira, Kanban, Cognito, Git, Material UI, Bootstrap, Tailwind CSS, SASS

Moderate
Python, S3, EC2, SES, SQS, Cloudwatch, CloudFormation, CodeDeploy, CodePipeline, GraphQL, API Development, WooCommerce, Jest, Mocha, Cypress, Docker, Vagrant, ESLint, Bun, React Native, Storybook, Stripe, Prisma, Laravel, MySQL

Cursory
Webpack, AppSync, Elasticsearch, Software as a Service

EDUCATION

Grand Valley State University
Bachelors

Bachelor's degree with minors in IS and Business. Object Oriented Programming (OOP), Functional Programming, and Website Development.