Brandon Galli

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SUMMARY

- 8 years of IT experience in analysis, design, implementation & testing of Object-Oriented application in the client & server, web services, distributed, integrated environments using various of languages and scripts like Python, JavaScript, TypeScript, Java and C#.
- Strong working experience in Design, Development of several Web-based Applications using open-source frameworks like Django, Wagtail, Node.js, Flask, and FastAPI.
- Proficient in leveraging AI and machine learning algorithms to develop recommendation systems, data analytics, and predictive models, familiarity with data preprocessing, feature engineering, and model evaluation techniques.
- Hands-on experience in building Client-Side Rendering(CSR)/Server-Side Rendering(SSR) applications using modern frontend frameworks & libraries like React.js, Next.js, Vue.js, Nuxt.js and Angular.
- Extensive experience in building REST APIs, CMS, and GraphQL(Apollo).
- Great experience in cloud infrastructure including AWS, GCP, Azure, Divio, and Linode.
- Extensive experience in SQL, NoSQL databases and ORMs like Django ORM, SQLAlchemy, Mongoose, Sequelize, and etc.
- Implemented state management by integrating Redux, and Vuex. Familiar with React Hooks and Vue composition API.
- Extensively used regular expressions and core features in Python using lambda, map, reduce etc. and effectively implemented containerization using Docker, Kubernetes.
- Develop programs to automate the testing of controllers in CI/CD environments using Python, Bash script, Git, Linux command line, Java Script.

SKILLS

● Python, JavaScript, TypeScript, C#, PHP	● Redis, RabbitMQ, Apache Kafka
● Django, Wagtail, FastAPI, Flask, Node.js, Selenium	● React.js, Vue.js, Next.js, Nuxt.js, Angular
● MongoDB, DynamoDB, Neptune	● unittest, pytest, Jest, Mocha
● AWS, Azure, GCP, Divio	●Postgres, MySQL, MSSQL, Oracle, ClickHouse
● Github, Gitlab, Bitbucket	● Docker, Kubernetes, Jenkins, Terraform, Ansible
● Shopify, Wix, Figma, Adobe XD, Invision	● Jira, Asana, Trello

EDUCATION

Bachelor of Science – BS, Computer Science, Seattle Central College   **2012 - 2016**

EXPERIENCE

Senior Software Engineer   **January 2023 – January 2024**
Ad Fontes Media (Current)

- Collaborated with CEO, CTO, and VP, consistently providing high-quality tech solutions within the specified timeframes.
- Built a microservice API that handles 40,000 requests per second.
- Built cost-efficient logging system using Python logging, GCP pub/sub.
- Refactored Django function-based views with decorators into class-based views, improving performance and code reusability.
- Conducted cutting-edge research in natural language processing (NLP) and machine learning, focusing on improving text summarization algorithms.
- Developed reusable Django widgets to enable complex filtering on the admin panel.

- Implemented a caching system using Redis and upgraded the database ORM for faster response times and optimized data retrieval and manipulation.
- Wrote comprehensive unit tests, achieving approximately 85 % test coverage, to ensure code quality and reliability.
- Optimized Django ORM and crafted SQL queries, leading to a 50% decrease in latency.
- Developed REST APIs using Django REST Framework, incorporating JWT authentication, Google reCAPTCHA, and Two Factor Authentication(2FA) for enhanced security measures.
- Developed microservices using FastAPI such as big data management, syncing databases, generating thumbnails etc.
- Utilized server-side rendering capabilities of Next.js to pre-render pages and fetch data on the server, resulting in significantly improved initial loading times and enhanced user experience.
- Implemented debouncing & throttling techniques to prevent excessive API calls and optimized performance by deferring the loading of components and images using lazy loading, resulting in decreased page size and faster load times.
- Monitored and measured application performance using various tools and techniques, including performance profiling and network analysis, ensuring ongoing optimization efforts.
- Leveraged Redux Toolkit(RTK) along with React lifecycle hooks, async thunk actions, data fetching, and query implementation to proficiently manage states, enhancing overall site performance.
- Dockerized the application, built a CI/CD pipeline, deployed on GCP Cloud Run and enforced secure management practices for environment variables.
- Developed the mobile app(iOS & Android) for IMBC utilizing React Native, enabling efficient state management, and enhancing the overall user experience through responsive and interactive components.

Full Stack Engineer   **August 2017 – January 2023**
Orkiv Retail Solutions
- Involved in the design, development and testing phases of Software Development using scaled Waterfall/Agile methodologies with Test Driven Development(TDD).
- As a technical leader, managed onshore and offshore teams technical concerns, responsible for designing, documenting new modules business logic, and hosting daily pairing sessions.
- Closely worked with business system analysts to understand the requirements to ensure that the right set of UI modules was built.
- Reduced checkout latency by 30% and improved overall user experience by minimizing conflicts and contention between concurrent order transactions.
- Developed a robust email notification system using Django signals to trigger email notifications for various user actions.
- Responsible for designing and deploying new ELK clusters (Elasticsearch, Logstash, Graphite Kibana, beats, Kafka, zookeeper etc.
- Converted WordPress CMS to Wagtail CMS and implemented headless preview for Vue.js.
- Designed and implemented database replication and sharding strategies in a Django application to scale horizontally and handle high concurrency.
- Built/Revamp various Shopify stores, customized themes, and developed Shopify apps using React.js, Node.js and Ruby.
- Responsible for Configuring Kafka Consumer and Producer metrics to visualize the Kafka System performance and monitoring
- Integrated 2FA and Google Recaptha to enhance backend authentication.
- Implemented SMS provider, FMS to send SMS, push notifications.
- Setup Docker on Linux and configured Jenkins to run under Docker host
- Cleaned data and processed third party spending data into maneuverable deliverables within specific formats with Excel macros and Python libraries.

- Effectively followed Scrum along with Test-Driven Development to develop applications, services, and software solutions. Having Good Experience in Object Oriented Concepts with C# and Python.
- Used Sentry and New Relic to debug & monitor services in real time.
- Documented for each endpoint(request body, response body, params, exceptions, etc) and created postman Collections.
- Worked on AWS Lambda, EC2, ECS, EKS, S3, RDS, etc.
- Used Kubernetes, Docker, Docker-Compose for CI/CD.
- Used micro service architecture, with Spring Boot-based services interacting with REST and Kafka.
- Used Kubernetes, Docker, Docker-Compose for CI/CD.
- Responsible for writing python scripts to scrape web data for data usage/collection using Beautiful SOUP, Scrapy, Selenium.
- Built Flask boilerplate application to standardized Flask applications.
- Worked on 2/3 weeks sprints having daily standup, planning, WIP, and retrospective room.

Web Developer   **June 2016 – August 2017**
DEPT
- Converted Django + Jinja Template to Django + DRF + React.
- Built class-based Django API views and implemented serializers with validation, method field, cleaning data, and error handling.
- Responsible for analyzing various cross-functional, multi-platform applications systems enforcing Python best practices and providing guidance in making long term architectural design decisions.
- Containerized existing projects and implemented docker-compose to manage multiple images.
- Implemented Celery with Redis to cache & run cron jobs.
- Developed tools using Python, Shell scripting, XML to automate some of the menial tasks.
- Integrated GraphQL(with Apollo) on both frontend(React.js) and backend side(Node.js).
- Built Vue.js components for social media platforms and implemented Helmet for SEO.
- Used Channels to serve websocket.
- Integrated google analytics, google tag manager.
- Established and developed interfaces between other systems as well as the conditions either to receive data in XML format or send weekly reports in a text with specific data from the DB.
- Deployed backend services on AWS EC2 and EKS, used AWS lambda functions.
- Used Jest to implement unit testing & integration testing and got coverage over 90 %.