Daniel Blandes

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Full Stack Web Developer

Experienced Full Stack Developer with 4+ years of experience in the education, agriculture, and public sectors. Designed and implemented high-performance enterprise software solutions such as Agriculture Management Systems, Load Balancers, and e-payment systems using Python, Node.js, Java, and JavaScript. Experienced in databases and database optimizations as well as leveraging concurrent programming for high performance and cloud services with AWS. Proficient in Django, Vue.js, React.js, Spring, and Express.js and have a strong understanding of object-oriented system design.

TECHNICAL SKILLS

User Interface · User Experience · Design Patterns · Object-Oriented Programming · SOLID · Microservices · Containerization · Version Control · CI/CD · Automated Testing · Integration Testing · Concurrent Programming · Databases · SDLC · Authentication and Authorization · Troubleshooting and Debugging · APIs · Code Reviews · Cloud Service · Performance Optimization

Programming Languages: Python, JavaScript, TypeScript, PHP, Java
Frontend: React, Next.js, VueJs, HTML, CSS
Backend: Django, Node.js, Nest.js, Express.js, Laravel, Symfony, FastApi, Flask, Spring
API: Restful, GraphQL
Databases: Postgres, MySQL, MariaDB, MongoDB, Redis, NoSql, SQLite
Cloud: AWS Cloud, EC2, Lambda, SAM, S3, DynamoDB, MemoryDb RDS, Route 53, VPC, SQS, SNS, API Gateway, CloudShell, Cloud9, CodeComit, CodeGuru, CodeDeploy, ECS, ECR, Fargate, Cloudfront
Software Development Lifecycle/SDLC: Agile, Scrum, Jira
Design Patterns: MVC, Singleton, Observer, Adapter, Decorator
Tools/Libraries: Git, GitLab CI/CD, TravisCI, Jenkins, Github Actions, Docker, Kubernetes
Testing: PyTest, Jest, Unit Tests, Integration Tests
Platforms: Linux, MacOS, Windows

PROFESSIONAL EXPERIENCE

Full-Stack Web Developer – Independent Contractor Experience

Lome, Togo · 08/2017 – 06/2022

- Developed and implemented a dispatcher system using Python and Django, optimizing SMS request routing for load balancing and high availability, resulting in a 50% enhancement in system response time.
- Developed and optimized high-performance backend services using Java, Spring Boot, and Microservices architecture, implementing multithreading to handle concurrent processes efficiently, which improved application scalability and response time by 30%.
- Executed the development and implementation of a scalable architecture using Docker containerization, deploying endpoints across twelve servers. This upgrade boosted system scalability and performance by 50% during peak usage, maintaining seamless service delivery.
- Implemented the design of a user-friendly web interface utilizing React.js and Node.js, resulting in increased user retention by enhancing the user experience and platform responsiveness.
- Developed and deployed RESTful API services using Laravel to facilitate seamless data transfer between the Flutter mobile app and the backend, resulting in a 30% increase in real-time data synchronization efficiency.
- Optimized system reliability and efficiency using AWS services, achieving a 20% reduction in downtime and ensuring high availability.

- Managed the deployment of an enterprise application on secure servers using GitLab CI/CD and Docker containerization, increasing system scalability, cutting deployment time by 40%, and raising team productivity by 20%.

Technologies Used: Python, Django, JavaScript, Typescript, React, RESTful API, Node.js, GitLab CI/CD, Docker, AWS, Dart, Flutter

Full-Stack Web Developer – CENI

Lome, Togo • 05/2018 – 04/2020 (2 yrs)
- Conducted an in-depth assessment of the current election data system, reviewing the code, pinpointing inefficiencies, and implementing strategic improvements that accelerated coding processes by 50%.
- Completed the development and deployment of advanced mechanisms for real-time data updates and synchronization with AJAX, jQuery, and Cron Job, elevating the accuracy and reliability of data by 40%.
- Revamped an interactive web interface using JavaScript, and Vue.js; improved authorized user productivity by 30% through intuitive data visualization and seamless election interaction features.
- Developed and deployed interactive data-driven visuals, enhancing election-related presentations, boosting user productivity, and elevating user satisfaction by 30%.
- Optimized SQL Database by meticulously refining queries, indexes, and stored procedures utilizing Workbench, resulting in a 60% acceleration of data retrieval speeds and reducing system response times by over half.

Technologies Used: AJAX, jQuery, JavaScript, Typescript, Vue.js, Workbench

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EDUCATION

Master of Science in Computer Science

Maharishi International University • Fairfield, IA – 12/2025

Bachelor of Science in Computer Science

UCAO-UUT • Lome, Togo – 07/2017

PROJECTS

Open App
- Designed and optimized modular front-end components using React and Tailwind CSS supporting data fetching and efficient state management within Tailwind-styled UIs. Configured API management with AWS API Gateway to securely expose backend functionality and support modular, scalable API interactions within the front-end architecture. Utilized AWS Lambda to support serverless architecture for backend API requests. Leveraged advanced AWS DynamoDB integration for scalable, low-latency data retrieval, ensuring responsive and reliable application performance. Optimized front-end using AWS CloudFront to deliver static assets rapidly across global edge locations, improving user experience.

Auction Platform
- Developed a RESTFul Web Service application using Java Spring for an online auction system incorporating software design principles for seamless user experience. Utilized Java Spring Security JWT to fortify user authentication and authorization protocols, safeguarding sensitive data and preventing security breaches. Employed React with TypeScript for front-end enhancement, crafting a more user-friendly experience through UI design and streamlined code.

Digital Marketplace Platform
- Implemented a built-in chat feature using a GraphQL API with online status that enables seamless communication between the buyer and the seller. Developed an escrow system to hold payment securely until the service is successfully delivered. Coded a dispute resolution feature that empowers administrators to efficiently and fairly handle any conflicts or disputes that may arise between buyers and sellers on the platform.