Jake Buceac

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Education

Bournemouth University – BSc (Hons) Software Engineering	Jul 2023
Bournemouth and Poole College – BTEC Level 3 Diploma in IT	Aug 2020
St Aldhelms Academy – 8 GCSE's grade 4 and above including Maths and English	Aug 2018

Skills

Languages: PHP, Go (GoLang), Python, Java, HTML, CSS, JavaScript, TypeScript, SQL
Technologies: Laravel, Symfony, Livewire, Alpine.js, React.js, Next.js, Node.js, Express.js, Tailwind CSS, Bootstrap
Tools: Docker, AWS, Google Cloud, Digital Ocean, Vercel, Git, GitHub Actions, RabbitMQ, Redis, MySQL, PostgreSQL

Experience

PHP Developer, 8x8 (formerly in2tel) – Remote   Nov 2023 – Present
- To mitigate risks of an end-of-life PHP environment, I migrated a mission-critical telecom portal to Laravel Livewire, refactoring legacy modules to ensure 100% data integrity and long-term stability.
- Faced with throughput limitations in an existing Node.js service, I architected a CDR Listener in Go using concurrency, which significantly improved data processing speeds and system reliability.
- To modernise internal routing management, I implemented a secure Laravel RESTful API for core databases, allowing the team to perform real-time CRUD operations on (Least Cost Routing) LCR and (Business Logic Routing) BLR systems.
- Tasked with providing live updates for networking tools, I engineered Node.js and WebSocket services to deliver low-latency data streaming and instant status monitoring.
- To maintain high data security and uptime, I managed GitLab deployments to bare-metal servers, ensuring a robust infrastructure independent of third-party cloud providers.

Junior Backend Developer (Part-time), 3 Sided Cube – Bournemouth, UK   Feb 2021 – Oct 2023
- Promoted to a long-term role following a successful 1-week intensive technical placement in March 2020, where I co-developed a PHP application and presented findings to the full engineering team.
- Accomplished 100% ticket completion rates within Agile sprints by developing and maintaining RESTful APIs for client applications, consistently transitioning features from backlog to production under strict deadlines.
- Accelerated delivery cycles and reduced QA feedback loops by collaborating cross-functionally with design and frontend teams to align technical specifications with client requirements.
- Improved production system reliability and reduced technical debt by providing tier-2 technical support to resolve backend API failures through EC2 log analysis and AWS S3 bucket monitoring.
- Streamlined the deployment pipeline and increased release frequency by utilising Laravel Forge to manage server configurations, provision environments, and automate code delivery.

Projects

Portfolio   jakebuceac.com
- Engineered a high-performance portfolio site using Next.js and React, achieving a perfect 100 Lighthouse performance score through aggressive asset optimisation and Server-Side Rendering (SSR).
- Streamlined deployment and hosting via Vercel, leveraging automated CI/CD pipelines to ensure 100% uptime and instant global delivery of frontend assets.

E-Card Generator Web App   github.com/jakebuceac/e-card-generator-app
- Pioneered a generative AI web application by integrating OpenAI's DALL-E API to programmatically generate custom imagery, exploring AI-driven design workflows a year before the widespread adoption of LLM technologies.
- Automated the software delivery lifecycle as measured by zero-downtime updates by configuring GitHub Actions for CI/CD and deploying the containerized application to DigitalOcean.