KAREY H. POWELL

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SUMMARY

Innovative Senior Software Engineer with 13+ years of experience crafting scalable, high-performance solutions across diverse industries. Expert in full-stack development, cloud infrastructure, and security, with a proven track record of delivering mission-critical projects. Skilled in leading international teams, mentoring developers, and driving technological advancements. Combines deep technical expertise with creative problem-solving to tackle complex challenges and drive business growth.

CORE COMPETENCIES

Full-Stack Development | Cloud Infrastructure | API Design & Integration | Microservices Architecture | Team Leadership | Agile Methodologies | DevOps | Quality Assurance (QA)

EXPERIENCE

Senior Full Stack Developer, EveryData Jamaica Ltd.   August 2022 – September 2024

A leading credit bureau providing comprehensive credit information services for Europe and the Caribbean.

- Supported full-cycle development of the core credit bureau system, with a focus on efficient coding and meticulous debugging.
- Reduced application load time by 50% through UI optimization and comprehensive testing.
- Consistently maintained ~65% code coverage for unit tests across 54 microservices.
- Designed and implemented RESTful APIs using Go, C# and TypeScript, increasing third-party integration efficiency by 30%.
- Instrumental in creating much of the tooling to facilitate the migration of credit data from the legacy system into the new system and the reconciliation tools.
- Conducted comprehensive UI testing to optimize performance and user experience.
- Leveraged cutting-edge technologies to enhance and modernize core applications.
- Fostered strong collaborations with front-end developers, seamlessly integrating user-facing elements with backend logic.
- Analyzed data, processes, and code to meet technical requirements and identify areas for improvement.
- Mentored and supported team members, both locally and internationally, promoting knowledge sharing and skill development.
- Actively contributed to code repositories, docker containers, and CI/CD pipelines, streamlining development processes.
- Created comprehensive documentation for reusable code, enhancing team efficiency and project maintainability.

Key Technologies: Go, C#, TypeScript, Python, Docker, Kubernetes (k8), AWS Lambda, FitNesse, Helm Charts, PostgreSQL, MongoDB, Lens, DBeaver, RabbitMQ.

Programming Languages

Go
PHP
C#.NET
Python
Java
JavaScript/ES6
TypeScript
V(lang)

Databases

PostgreSQL
MySQL
MariaDB
DynamoDB
Firebase
MongoDB
MSSQL Server
SQLite

Frameworks & SDKs

Laravel
AWS CDK
Helm Charts
OpenID
Google Cloud SDK
Docker
Kubernetes (k8)

Web Services

RESTful
gRPC
GraphQL
AWS Lambda

Chief Technology Officer, Remote Rocket, Ltd.   November 2018 – July 2022

A technology consulting firm specializing in custom software solutions for small to medium-sized businesses. Focus areas include:

- Defining project scope and delivery through formal stories (use cases), level of effort (LOE), and phased project plan delivery based upon customer business priorities and technology constraints.
- Create Work Plans and assign designated developers to the respective tasks.
- Facilitate research and analysis of data that is then in turn used to develop products or services for specific target markets.
- Led the development of a cloud-based inventory management system, resulting in a 60% increase in efficiency for a major retail client.

Key Technologies: PHP, Python, Laravel, MySQL, MariaDB, WordPress, TypeScript, Livewire, AlpineJS.

Cofounder/Software Engineer, LoanCirrus, Ltd.   November 2016 – December 2021

A fintech startup providing innovative loan management solutions for financial institutions.

- Setting up and administering the entire infrastructure that runs the LoanCirrus SaaS platform.
- Building and scaling the LoanCirrus APIs that facilitates integration with third-party systems.
- Building out automation tools that aid in faster deployments to upgrade or downgrade. databases in the cluster.
- Develop integrated apps within the LoanCirrus platform that allows customers to connect to third-party vendors at the click of a button.
- Facilitate the migration of data to and from the system.
- Deploy, configure and manage virtual servers in the AWS cluster.
- Grew the platform from inception to serving over 75 financial institutions across Africa, Europe, North and South America and the Caribbean.
- **REACH**: An extension to the LoanCirrus application that allows clients to instantly have a frontend to allow their customers to apply for loans online.

Key Technologies: PHP, Laravel, VueJS, MySQL, MariaDB, Aurora DB, AWS, Bash, WordPress.

Chief Technology Officer, SpiderCentro, Inc.   May 2012 – November 2016

Worked closely with the team to engage customers to jointly define IT strategy and technology roadmap in response to complex business needs. Focus areas include:

- Developing future-state architecture and implementation road maps based upon best practices and ensuring systemic qualities for: scalability/throughput, availability, security, maintainability, and extensibility.
- Defining project scope and delivery through formal stories (use cases), level of effort (LOE), and phased project plan delivery based upon customer business priorities and technology constraints.
- Ensuring software technology platform and products address customer business needs and future customer technology roadmap.
- Providing migration path from legacy platforms addressing short- and long-term strategies, preserving existing assets and investments, training, and iterative deliverables.
- Led the development of APIs for integration with ABM/ATM machines for one of the major banking institutions in Jamaica, which facilitated the repayment of loans.

Testing Frameworks

FitNesse
testify
go-sqlmock
NUnit

Message Brokers

RabbitMQ
Redis
AWS SQS

Web Servers

NGINX
Apache

Cloud Infrastructures

Amazon AWS
Microsoft Azure
Google Cloud Platform

Interests

Hypermedia APIs
Network Security
Cloud Computing
Expert Systems
Machine Learning
Natural Language Processing (NLP)
Artificial Intelligence
Blockchain

- **SolisCredit**: Insurance premium financing web application used in five (5) Caribbean territories to facilitate the creation of insurance contracts in the supporting loan management system, which I was also instrumental in building the APIs and the integrations between the systems.
- **PayCirrus**: Payments collection and processing web application, which integrates with the LMS or runs independently to process high volumes of payments for customer accounts.

Key Technologies: PHP, Laravel, AngularJS, JavaScript, Bash, MSSQL, MySQL.

Software Developer, Summer Intern   June 2011 – August 2011

JAMALCO, Process Control Dept. (QUASAR), Halse Hall, Clarendon, May Pen

Developed an inventory management system (CSIM) that is being used to track and manage all the company assets being used on the aluminum processing plant.

- Created a feature that facilitated a barcode scanner to interface with the software to get or input information on the different assets.
- Developed a feature that allows consolidation of the inventory, part lookup, and hierarchical structures for storing and relocating assets.
- Implemented user access control and the generation of generalized reports.

Key Technologies: Visual Basic .NET, LINQ, SQL and Microsoft SQL Server 2008.

EDUCATION

Computer Science, Bachelor of Science (cum laude)   August 2008 – August 2012

Emphasis: System Engineering and Administration
Northern Caribbean University, Mandeville, Manchester
GPA: 3.51/4.0

ACTIVITIES & AWARDS

- **Team Lead**, Digital JAM 2.0 mobile apps competition, 2012 (second place award)
- **Member**, Computer Hardware & Information Processing Specialist (C.H.I.P.S.), 2009 - 2012
- **Certificate of Achievement**, Outstanding Performance in System Administration and Engineering, 2011
- **Academic Excellence,** Outstanding academic achievement attaining to the highest honors, The Dean's List, 2010
- **Advanced Software as a Service**, The University of California at Berkeley through edX, 2013 [verify]
- **Software as a Service**, The University of California at Berkeley through edX, 2013 [verify]