

# LUKE BELL

lukekingsleybell@gmail.com | (+44) 74 4686 9568 | github.com/KingsleyBell

Backend Engineer with 8 years of applied experience developing APIs, data pipelines, and web apps used daily by millions.

## EXPERIENCE

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- Senior Backend Engineer, Plentific.com – London** Jul 2021 – Present
- ~ Led the planning and development of a calendar management and optimization product, integrating an external SaaS product into a distributed event system, enabling users to increase throughput and decrease travel time by up to 40%
  - ~ Designed and implemented a premium customer service offering with multiple tiers to allow for increased customer SaaS revenue, integrating with Stripe for subscriptions
  - ~ Increased test coverage and led an effort to refactor unit testing framework, contributing to a decrease in test runtimes of over 50%
  - ~ Implemented a database migration backward compatibility solution for deployment pipelines, increasing deployment frequency and reliability, and reducing rollback risk
  - ~ Led an initiative to reduce bug backlog, resulting in a total decrease of over 70%
  - ~ Empowered junior devs through leadership by mentoring, goal-setting, and cross-team collaboration initiatives. Encouraged direct reports to give technical presentations as well as join external teams on a part-time basis
- Backend Engineer, SPANDIGITAL.com – Cape Town** Apr 2020 – Jun 2021
- ~ Developed backend services for authentication and scientific data processing, contributing to numerous client projects and internal products
  - ~ Authored comprehensive technical documentation used by millions of engineers, improving developer experience
- Data Engineer, Revolut.com – London** Sep 2019 – Mar 2020
- ~ Built out compliance data pipeline service that automated the screening of users and transactions, processing tens of thousands of cases daily, enhancing security and efficiency
  - ~ Ensured reliability and performance of backend services in a high-stakes financial environment
- Fullstack Engineer, NumberBoost.com – Cape Town** Jan 2018 – May 2019
- ~ Built bespoke machine learning web applications and proofs of concept for existing and potential clients, focussing on optical character recognition and object detection
  - ~ Pitched ideas and demos to clients for form processing, on-site security, and public transportation monitoring, leading to the closing of first customers
- Fullstack Engineer, Flickswitch.co.za – Cape Town** Jan 2017 – Jan 2018
- ~ Assisted in the development of a new platform for managing cellular data plans at scale, improving user experience and operational efficiency
  - ~ Built and maintained several external API integrations for cellular networks
  - ~ Developed a custom rule engine for automated recharges and top-ups, automating the management of large-scale customer SIM card fleets

## SKILLS

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<b>Programming Languages</b>	Python, Javascript, Go, Java, C++, SQL
<b>Frameworks &amp; Tools</b>	Django, Flask, Docker, Kubernetes, Jenkins, AWS
<b>Databases</b>	PostgreSQL, MySQL, MongoDB
<b>System Design</b>	Microservices, RESTful APIs, EDA
<b>Development Practices</b>	Agile, CI/CD, TDD, Pair Programming
<b>Security</b>	Secure coding practices, resiliency, data protection
<b>Cloud Platforms</b>	AWS, GCP

## EDUCATION

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<b>BSc Computer Science &amp; Mathematics</b>	Jan 2013 – Oct 2016
<b>University of Cape Town</b>	First-Class Honours (74%)