Abhinav George Basil

SOFTWARE ENGINEER

Kuala Lumpur, Malaysia

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Summary

Backend Software Engineer with 4+ years' experience designing and scaling distributed systems handling millions of transactions monthly. Proven impact driving revenue growth and reliability by re-architecting critical services, leading RFCs, and setting engineering standards, with additional breadth in ML and full-stack development.

Experience

MoneyLion (acquired by Gen Digital)   *Kuala Lumpur, Malaysia*

SOFTWARE ENGINEER (BACKEND)   *February 2023 – Present*

- Delivered investing and crypto features, boosting engagement 80%, users 25%, and transactions 40% by engineering scalable backend services (Java, Spring Boot, Kafka, AWS, PostgreSQL, DataDog).
- Led ownership transfer of a revenue-critical micro-investing service, hosting RFCs and re-architecting with Kafka and new schemas, modernizing the system and driving 15–20% revenue growth.
- Architected distributed payment workflows handling 50K+ daily (1.5M+ monthly) transactions with Kafka and AWS SQS, ensuring high availability, fault tolerance, and enabling new revenue features.
- Scaled platform for MrBeast's global campaign by load testing, optimizing caching, and removing bottlenecks, cutting latency and increasing throughput under massive traffic.
- Proposed and delivered gamification features with product managers and stakeholders, designing event-driven microservices that improved retention and engagement.
- Championed TDD, shift-left testing, and Datadog observability, while modernizing CI/CD (GitHub Actions), Docker/Kafka, Java/Spring Boot upgrades, and Istio, cutting deployment time 40%, reducing infra costs 25%, and boosting security and productivity.
- Mentored three engineers, accelerating onboarding by 30%, and led security initiatives that reduced open security tickets by 70%.
- Improved an ML-driven risk calculation service in Python, updating logic for new requirements and ensuring accurate, reliable portfolio recommendations.

Total IT Global   *Kuala Lumpur, Malaysia*

SOFTWARE ENGINEER (BACKEND & ML)   *August 2022 – January 2023*

- Built backend services with FastAPI, NestJS, Django REST and MySQL, while designing React/JavaScript frontend components, reducing rollout time by 25%.
- Developed and productionized an NLP-driven resume parser with Spacy, improving parsing accuracy by 20% and integrating into a production ATS platform.
- Automated data pipelines with Python & Pandas, and led an annotation team with precision/recall tracking, ensuring scalable training data for ML models.

Wavelet Solutions   *Subang Jaya, Malaysia*

SOFTWARE ENGINEER (FULL-STACK, CONTRACT)   *May 2022 – August 2022*

- Improved Akaun platform performance by 20% through backend optimization and refactoring, enhancing scalability and reliability.
- Contributed to a 15% revenue increase by developing and integrating new features aligned with client needs.

Wavelet Solutions   *Subang Jaya, Malaysia*

SOFTWARE ENGINEER INTERN (BACKEND)   *June 2021 – September 2021*

- Built and deployed REST APIs with Java Spring Boot and PostgreSQL, powering applications used by thousands of businesses.
- Optimized SQL queries with indexing and partitioning, improving database performance by 30%.

University of Nottingham   *Semenyih, Malaysia*

MACHINE LEARNING RESEARCH INTERN   *June 2021 – September 2021*

- Improved ML model accuracy by 15% and reduced processing time by 20% using Scikit-learn, PyTorch, and Pandas, with deployment through FastAPI.

Education

University of Nottingham   *Semenyih, Malaysia*

BSc (HONS) COMPUTER SCIENCE   *September 2019 - July 2022*

- Graduated with First Class Honours and received the High Achiever's Scholarship for academic merit, including a First Class Final Year Project.

Projects

MedApp   *Java, PHP, Android Studio*

AVAILABLE ON GITHUB

Collaboratively developed a native Android medical app for the elderly using Java and PHP, ensuring quality through UML diagrams and testing.

Skills

Backend & APIs	Java, Go, Python, Node.js, Spring Boot, Django, Express, FastAPI, Kafka, SQS, DataDog, Microservices, REST APIs, Event-Driven Systems
Cloud / DevOps	AWS (RDS, ECS, EKS, IAM, MSK), ArgoCD, Kubernetes, Docker, Terraform, GitHub Actions, CI/CD
Databases	MongoDB, PostgreSQL, MariaDB, MySQL, Redis, Elasticsearch, AWS Timestream
AI / Data	Spacy, Pandas, NumPy, Scikit-learn, PyTorch, Tensorflow, Weka, Doccano
Frontend	JavaScript, TypeScript, HTML, CSS, React, Angular, Flutter, Dart, Bootstrap

Honors & Awards

2021	**1st Runner Up,**	IEM Web Design Competition	*Suria Labs*
2021	**2nd Runner Up,**	Nott-A-Thon: Chatbot Design Competition	*IET UNM*