

# Davies Opoku-Kwarteng

Snr. Software Engineer

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- [Taskez](#) ★

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## PROFESSIONAL SUMMARY

With a foundation in Aerospace Engineering, I transitioned into Software Engineering, bringing a unique perspective to the tech landscape. I thrive on implementing and designing custom user interfaces for mobile applications, leveraging my 8 years of experience in frontend and mobile development.

My professional journey has spanned various industries, including the electric vehicle (EV) sector, B2B marketplaces (e-commerce), ride-hailing, transportation and tracking, railroad safety, payment processing, and OEM Android applications.

I currently work as a Snr. Flutter Engineer in the EV industry, developing a cutting-edge charging platform for EV drivers and Charge Point owners.

A strong advocate for open source, I have contributed to open source packages for over six years, driven by a passion for collaborative development and community growth. Beyond my professional endeavours, I am deeply interested in solving and exploring mathematical theories for fun.

## EXPERIENCE

### Qcells, Berlin — *Senior Frontend Engineer* → *Team Lead*

AUGUST 2024 - PRESENT

Qcells is a global leader in renewable energy solutions, specializing in high-efficiency photovoltaic products, consulting, and installation services. With over 20 years of innovation in solar module technology, Qcells delivers maximum yields through a network of certified specialist partners, ensuring timely and high-quality implementation.

Responsibilities include:

- Leading the architecture, development, and delivery of CRM and all company-wide frontend applications.

## FRAMEWORK & LANGUAGES

Dart-Flutter, Android, SwiftUI, Python, Java, Elixir-Phoenix, Vue Js, Typescript-Angular, Node, HTML/CSS, Javascript

## TECHNICAL SKILLS

- Flutter & Dart Architecture, MVVM, MVC, Design Patterns & Application Arch.
- Next JS & Typescript
- UX/UI skills analysing: Figma designs, Dribbble, Behance etc..
- Atlassian Tools: Jira, Trello, Confluence, Bitbucket, Forge, Opsgenie
- Git Workflow, CI/CD, Fastlane, Docker, CodeMagic, ArgoCD
- Monitoring services like Sentry, DataDog, MixPanel
- Algorithms and data structures
- Agile methodology-Scrum, Code Reviews, Unit Testing, TDD & BDD
- Data Analysis: Python
- Rest APIs, JavaSpring

- Building and maintaining applications for B2C energy retail consumers using Flutter (web, mobile, desktop) and TypeScript/Next.js (end-to-end).
- Developing and overseeing internal GDPT (Global Digital Platform & Tools) applications in TypeScript/Next.js.
- Creating unified company-wide UI libraries and reusable component systems.
- Implementing a single sign-on solution across all applications using Microsoft Entra ID.
- Managing and maintaining all company applications on the Apple App Store and Google Play Store, including an in-house management tool for third-party integrations.
- Ensuring accessibility compliance across all applications.
- Designing and maintaining CI/CD pipelines for seamless deployment processes.
- Collaborating with cross-functional teams including designers, PMs, and backend engineers to ensure high-quality deliverables.
- Mentoring developers and providing technical guidance as part of the transition from Senior Engineer to Team Lead.

MVC, Microservices, BFF

- Data Storage: SQL, MySQL, Firebase, LiquiBase, Supabase
- AWS, Linux, batch job, AWS serverless APIs
- Forest Admin: Feature toggles and A & B Testing
- User flows

## OTHER SKILLS

Leadership and collaboration.  
Languages: English & German (B1 Level).

Open Source development lead.

Team Player, leading team projects to completion

## Monta GmbH, Berlin — *Snr. Flutter Engineer*

July 2022 - AUGUST, 2024

Monta is an international company operating in Germany, Denmark, Spain, Norway, and London, focused on building an EV (Electric Vehicle) charging platform. We create a hub for EV charge point owners, hardware owners, and charge point stations, as well as mobile apps for EV drivers to help them manage their EV charging.

Responsibilities include:

- Actively writing Dart and Flutter code as per requirements.
- Contributing to our UI library of widgets.
- Leading teams on various feature developments as a feature champion and specific projects to completion, such as charge point detailing, charge session detailing, teams, sponsored charge points, payment sections, invoices etc.
- Collaborating with designers and PMs on feature requirements.
- Translating UI/UX designs into code.
- Hunting for and resolving bugs.
- Conducting QA testing of the system.
- Utilizing architectural design patterns (MVC, MVVM), frameworks, TDD methodology, and unit testing.
- Localizing hard-coded texts with the Lokalise translation tool.
- Participating in code reviews, testing PR changes, and providing feedback where needed.
- Taking part in interviewing new candidates.
- Conducting knowledge-sharing sessions on Flutter during monthly

## OPEN-SOURCE PROJECTS

### Taskez

A Productivity Mobile Application UI kit built with Flutter

### Fendi

Fendi Women's Lookbook created with Flutter

### Open-Insurance

A Flutter Insurance Mobile App for getting benefits after accidents

### Incident Responder

Angular app that uses Mapbox and Firebase for incident responding, tracking and monitoring

calls.

## **Plendify B2B Marketplace — *Snr. Flutter Engineer***

July 2021 - June 2022

This B2B marketplace helps African businesses grow their digital sales. Suppliers can connect with buyers, promote products, and sell goods in new countries. The platform offers various features to streamline operations, including bulk ordering, tracking, and supplier plans.

Responsibilities include:

- Interfaces with user experience designers and other developers to ensure thoughtful and coherent user experiences across the B2B marketplace iOS and Android mobile apps.
- Engineered and maintained major features of the B2B marketplace mobile application.
- Translating UI/UX designs into code.
- Automated widget testing of mobile applications.
- Utilizing architectural design patterns (MVC, MVVM), frameworks, TDD methodology, and unit testing.
- Localizing hard-coded texts with the Lokalise translation tool.
- Participating in code reviews, testing PR changes, and providing feedback where needed.
- Mentoring and managing intern and junior engineers

## **Oya, Ghana — *Snr Flutter Engineer Consultant***

October 2021 - June 2022

OYA! was birthed from a strong desire to offer Ghanaian road travellers the opportunity to travel with ease.

As a senior Flutter Engineer Consultant developer, My roles were:

- Actively writing Dart and Flutter Code as per requirements.
- Taking part in Technical Decisions.
- Collaborating with the Designer and PM on feature requirements
- Managing Junior Flutter Developers
- Monitoring and resolving bugs that come up.
- Managing release of new App versions to App/Playstore.

## **Cedipay Ghana Limited — *Flutter Engineer***

January 2019 - September 2021

As a Flutter Engineer and team lead, my major responsibilities included:

- **Developing Secure Payment Solutions:** Implementing secure payment

## **PACKAGES (DART)**

### **Minimap Scrollbar**

Minimap Scrollbar is a Flutter widget that offers a synchronized overview of scrollable content, aiding navigation by allowing users to quickly locate and jump to sections.

### **Mini PDF & EPUB Viewer**

Mini PDF & EPUB Viewer is a Flutter widget for seamless document viewing with thumbnails, smooth transitions, and customization, ideal for e-book apps.

processing mechanisms using industry-standard encryption and security protocols.

- **Building Beautiful Applications:** Translating UI/UX designs into responsive, visually appealing, and user-friendly mobile applications.
- **Maintaining Code Quality:** Writing clean, maintainable, and efficient Dart code, following best practices and coding standards.
- **Integrating Payment Gateways:** Integrating third-party payment gateways and APIs to enable seamless and secure transactions.
- **Ensuring Compliance and Security:** Ensuring the application adheres to compliance standards and regulations for payment processing, conducting thorough testing to ensure reliability and security.
- **Collaborating and Leading:** Collaborating with designers, product managers, and other engineers to define and implement new features and enhancements, and leading feature development projects from concept to completion.

## **Accolm Limited, Stockholm — Frontend Engineer**

April 2018 - April 2020

As a Junior Full Stack Engineer working on a Business Activity Monitoring (BAM) system for DHL (major customer), with a focus on frontend development, my major responsibilities included:

- **Frontend Development with Angular and Vue.js:** Implementing and maintaining user interfaces using Angular and Vue.js to ensure a responsive and intuitive user experience.
- **Data Visualization:** Creating dynamic and interactive data visualizations to monitor and analyze business activities, ensuring data is presented in a clear and actionable manner.
- **Backend Integration with Java Spring Boot:** Collaborating with backend engineers to integrate RESTful APIs developed in Java Spring Boot, ensuring seamless data flow between the frontend and backend systems.
- **Database Management with MySQL:** Working with MySQL databases to retrieve, store, and manage data effectively, ensuring optimal performance and reliability.
- **Code Quality and Best Practices:** Writing clean, maintainable, and efficient code following best practices and coding standards, and participating in code reviews to ensure a high-quality codebase.
- **Bug Fixing and Troubleshooting:** Identifying, troubleshooting, and resolving frontend and backend issues and bugs to ensure the stability and performance of the BAM system.

## **EDUCATION**

**Kwame Nkrumah University of Science and Tech, Ghana —**  
*Bsc. Aerospace Engineering*

September 2014 - April 2018