Maks Zak

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SUMMARY

A driven and versatile individual with a passion for software development and technology. Excelling as a full-stack developer with a proven track record of delivering innovative and scalable solutions for large-scale clients. Possessing a strong drive and analytical acumen, I am committed to tackling complex challenges to advance the intersection of technology and engineering excellence.

SKILLS

Languages: Java | JavaScript | TypeScript | Apex | SQL | SOQL | Python

Software Engineering: Object-Oriented Programming (OOP) | Testing | Source Control | CI/CD | REST APIs | Design Patterns | Data Structures & Algorithms | Authentication & Authorisation

Frameworks & Libraries: React | Next.js | Tailwind CSS | Lightning Web Components (LWC) | Node.js

Development Tools: VsCode | Git | SQL Server Management Studio | Vercel | SupaBase | Firebase | NoSQL

Tools: Agile Project Management | Scrum | Jira | Confluence

EXPERIENCE

Data#3 — July 2024 - Present

Salesforce Developer

- Design, develop, and deploy scalable Salesforce solutions using Apex (Java-like OOP), Lightning Web Components (JavaScript), HTML, and CSS, applying object-oriented principles, design patterns, and reusable frameworks.
- Optimise code performance by ensuring bulk-safe operations, efficient database queries, and governor limit compliance, with over 90% test coverage.
- Integrate RESTful APIs to enable seamless data exchange and improve system interoperability.
- Collaborate cross-functionally with developers, business analysts, and stakeholders to align technical solutions with business needs in Agile (Scrum/Kanban) environments.

Accenture — Feb 22-July 24

Software Developer – Senior Analyst

- Led CRM development and support for an IT operations project, managing multiple production applications while ensuring system reliability and performance.
- Optimised data integrity and performance by managing relational databases (SQL) and designing scalable data distribution strategies.
- Liaised daily with senior client stakeholders, translating business objectives into scalable solutions to align technical and operational goals.
- Developed and maintained a customised SaaS cloud solution, supporting 2,000+ users across 7 APAC countries.
- Built backend functionality, implementing modular, bulk-safe logic, RESTful API integrations, and third-party service connections.
- Leveraged Event-Driven Architecture, asynchronous processing (Future Methods, Queueable, Batch), and structured logging for improved performance and resilience.
- Utilised Git for version control and CI/CD pipelines to automate deployment processes, ensuring faster, more reliable releases across environments.

Software Developer - Analyst

- Onboarded as a developer onto an international project, initiating hands-on experience with development best practices, security models, and data management strategies.
- Contributed to initial bug fixes, minor enhancements, and test case creation, supporting the project's ongoing development and maintenance.

EDUCATION

Bachelor of Engineering Honours (Mechatronic Engineering) and Bachelor of Project Management - Honours Class II, Division I

University of Sydney • 2022

PROJECTS

Social Notes App | Full-stack Web App – 2025

React, Next.js, Firebase (Auth & Realtime DB), Tailwind CSS, Vercel, TypeScript, JavaScript

- Designed and developed a note-taking web app that leverages AI to schedule and generate social media posts.
- Integrated Firebase for real-time updates, authentication, and Firestore data storage.
- Deployed to Vercel with CI/CD enabled, achieving <1s load time and mobile responsiveness.

Automated Blind Opener | IoT Mechatronic System – 2024

C++, Arduino Nano, Fusion 360, 3D Printing, NEMA Stepper Motor, Alexa, RF Sensors

- Designed and built a smart home window blind system integrating mechanical, electrical, and software components.
- Modelled and 3D-printed gear set and housing in Fusion 360 to fit blind dimensions and optimise torque handling.
- Programmed Arduino Nano (C++) to control NEMA stepper motors via RF signals, enabling precise blind positioning.
- Integrated Alexa for voice control and automation scheduling, with RF-based remote as a secondary input.

REFERENCES

Available on request.