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Summary

Experienced Software Engineer specializing in backend and full-stack development, primarily using Java, Spring Boot, C# and ASP.NET Core. I've built scalable systems with microservices and event-driven architectures, handling high concurrency and large data volumes.

I work across the full software lifecycle—from designing APIs to writing clean, testable code and deploying to cloud platforms like AWS and Azure. I'm comfortable with CI/CD pipelines, DevOps tools, and both relational and NoSQL databases.

I've delivered robust enterprise solutions across healthcare, e-commerce, and CRM/ERP platforms, with a strong focus on performance, reliability, and real-world impact. In New Zealand, I've contributed to Agile development teams on commercial projects, adapting quickly to local engineering practices.

I enjoy mentoring junior developers, refining architecture, and building software that lasts. Ready to bring my passion for good design, collaborative leadership, and technical depth to a new challenge.

Technical Skillsets

Backend

- Java (Spring boot Maven/Gradle)
- C#(Asp.net core NuGet)
- Restful API
- Hibernate/Mybatis
- Entity framework
- LINQ
- Fhir Api
- HL7/ADT messaging

Frontend

- React
- Vue.js
- Next.js
- Material-UI
- Ant Design
- Typescript
- Vite

Cloud and Infrastructure

- AWS (Ec2、RDB)
- Azure
- GCP
- Docker
- IaC(AWS CloudFormation)
- Cloudflare

DevOps

- Containerization
- CICD pipeline
- Support Request Handling
- Prometheus/Grafana
- ELK Stack
- Manually configuration and Integration

Messaging & Search

- RabbitMQ
- RocketMQ
- Kafka
- Elasticsearch

DataBases

- MySQL
- SQL Server
- PostgreSQL
- Redis
- MongoDB

Testing

- Unit Testing
- Playwright
- Test-café
- Cucumber test

Methodology

- SCURM
- Kanban
- Ticket management

Interpersonal Strengths

- Working collaboratively
- Active listening
- Friendliness
- Self-motivative
- Actively learning
- On-time
- Multi-tasking
- Calm under heavy pressure
- Curious
- Open-mindedness
- Responsive context
- management

Working Experience

Apr 2024– Now: Full Stack Software Engineer in Matricle (Part-Time) Auckland, New Zealand

Situation:

- Functioned as a Full Stack Software Engineer within a fast-paced product team focused on enhancing and customizing ERP and CRM solutions for clients across various industries.
- The role required hands-on involvement across the entire software lifecycle, from design and development to testing and deployment, with a focus on delivering robust, scalable, and maintainable systems.

Task:

- Develop new core modules and features for Matricle's ERP platform using C#, ASP.NET Core, and Vue.js.
- Improve existing workflows and system logic to automate business processes and reduce operational overhead.
- Ensure application stability and reliability through extensive unit testing.
- Translate business requirements into technical specifications and maintain strong alignment with cross-functional stakeholders.

Action:

- Designed and implemented a custom workflow engine that orchestrated production tracking with dynamic rule evaluation, reducing manual interventions by 60% and improving operational throughput.
- Developed a project management module with centralized task visibility and real-time tracking capabilities, which enabled project managers to proactively handle bottlenecks and reduced project delays by 30%.
- Enhanced the order management subsystem by integrating complex business logic and extending support for multi-stage order workflows, resulting in a 25% increase in processing speed and user satisfaction.
- Authored over 150 unit tests using NUnit and Moq to ensure 85% code coverage, leading to a 40% reduction in post-deployment defects.
- Collaborated with product owners and stakeholders to iteratively refine requirements, and contributed to internal technical documentation to improve onboarding and knowledge transfer.

Result:

- Delivered a production-ready, extensible ERP module suite that supported automation, reduced delays, and increased business efficiency.
- Achieved a 60% drop in manual operations, a 30% improvement in delivery timelines, and 25% faster order processing.
- Enhanced code quality and long-term maintainability with comprehensive automated testing and clean architecture principles.
- Improved team velocity and reduced production issues, reinforcing stakeholder trust and platform adoption.

Dec 2020 – Nov 2023: Senior Development Engineer, Alibaba, Hangzhou, China

Situation:

- Served as a Senior Backend Engineer within Alibaba's Cainiao logistics division, playing a key role in designing and scaling backend systems for station onboarding, partner relationship management, and field operations. The systems supported millions of users and thousands of frontline agents, with high availability and performance requirements in a complex, rapidly evolving logistics environment.

Task:

- Lead backend architecture design and implementation across several mission-critical systems, including CRM, onboarding platforms, and operational tools.
- Ensure system scalability and reliability while meeting tight product delivery timelines.
- Collaborate with cross-functional stakeholders to deliver features aligned with logistics workflows and regulatory requirements.
- Provide technical mentorship to junior engineers to support team growth and delivery capacity.

Action:

- Designed and delivered a fully integrated onboarding platform that connected Cainiao Station setup processes with Alipay's deposit system, reducing station activation time by 40% and enabling scalable expansion across new regions.
- Architected and implemented a large-scale CRM system for new partner acquisition, processing over 10 million potential leads and integrating with Taobao and WeChat channels to provide a unified customer engagement pipeline.
- Built a real-time City Battle Map system, enabling 2,000+ field agents to track performance, manage tasks, and follow standardized SOPs, improving operational transparency and agent productivity.
- Performed extensive system performance tuning and infrastructure optimization, reducing server costs by 30% while maintaining service-level availability.

- Acted as a mentor to 3 junior developers, offering regular code reviews, architectural guidance, and one-on-one technical sessions to foster their growth and ensure consistent team delivery standards.
- Led coordination between product, business, and operations teams to translate complex logistics rules into scalable backend logic with flexible configuration support.

Result:

- Enabled nationwide station expansion through automation, leading to a 40% faster onboarding process and improved operational readiness.
- Improved lead-to-conversion rate by 25% through the CRM system, contributing directly to Cainiao's strategic growth initiatives.
- Reduced infrastructure expenditure by 30%, freeing up resources for other business lines.
- The City Battle Map system became a key management tool, improving field agent performance and standardizing processes across provinces.
- Mentored junior engineers who later took on independent modules, improving overall team output and resilience.

Jan 2018 – Dec 2020: Development Engineer, WeDoctor, Hangzhou, China

Situation:

- Functioned as a backend engineer in WeDoctor's core development team, responsible for building and optimizing key healthcare service systems, including electronic prescriptions and online medication orders. Operated in a highly regulated healthcare environment with rapidly growing user traffic and complex integration needs across hospital systems.

Task:

- Develop and maintain the backend for electronic prescription issuance and medication ordering workflows.
- Integrate with hospital HIS (Hospital Information Systems) to streamline the clinical process between doctors, pharmacies, and patients.
- Ensure system scalability, resilience, and performance under high-concurrency conditions.
- Refactor legacy systems for improved modularity and maintainability.

Action:

- Led the backend development of the electronic prescription system, enabling doctors to issue prescriptions online and patients to purchase medication seamlessly through the platform.
- Designed and implemented a modular order processing system that replaced legacy workflows, improving system flexibility and transaction transparency.
- Integrated the platform with multiple hospital HIS systems, allowing real-time syncing of clinical prescriptions and enhancing the accuracy and speed of prescription delivery.
- Connected external platforms and internal services such as third-party APIs, search (Elasticsearch), and pharmaceutical inventory systems, enabling broader access to data and improving order fulfillment.
- Applied circuit breaker mechanisms (Hystrix) across prescription services to improve system reliability during peak load or third-party service failures.
- Conducted performance tuning and architecture optimization, which significantly improved stability under a fivefold increase in daily traffic.
- Worked closely with regulatory, product, and QA teams to make sure patient data was handled securely and followed strict privacy rules—like HIPAA in the U.S. and China's CA standards. Built secure features such as role-based access, encrypted data transfer, and safe APIs to protect medical information.

Result:

- Delivered a full-stack prescription and order system used by millions of users across China, reducing prescription-to-fulfillment time by over 40%.
- Achieved a 50% increase in pharmaceutical order conversion rate through system redesign and performance enhancement.
- Scaled the backend architecture to handle 5x traffic growth while maintaining system stability and response time.
- Improved system resilience, with zero critical downtime during high-volume events after Hystrix integration.
- Enabled smooth real-time clinical workflow by successfully integrating with key hospital HIS systems, leading to increased platform adoption among healthcare professionals.

Education

Master of Software Engineering At Yoobee College (Apr 2024 – Mar 2025)

- Electives included: Computer Vision, Blockchain Technologies with hands-on projects using OpenCV and Ethereum-based platforms

Reference

- References available on request