

# Sarah Wilson - Backend Developer

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## Professional Summary

Backend Developer dengan 5 tahun pengalaman dalam mengembangkan scalable web applications. Memiliki passion dalam AI integration dan modern backend architecture. Berpengalaman dalam full-cycle development dari design hingga production deployment.

## Technical Skills

### Backend Technologies

- **Languages:** Python (Advanced), JavaScript (Advanced), Java (Intermediate)
- **Frameworks:** Django, Flask, Express.js, Spring Boot
- **Databases:** PostgreSQL, MySQL, Redis, MongoDB
- **API:** RESTful API, GraphQL, WebSocket

### Cloud & Infrastructure

- **Cloud Platforms:** AWS, Google Cloud Platform
- **Containerization:** Docker, Docker Compose
- **CI/CD:** GitHub Actions, Travis CI
- **Version Control:** Git, GitHub, GitLab

### AI/LLM Experience

- **LLM APIs:** OpenAI API, Google Gemini API
- **Vector Databases:** Basic ChromaDB, Pinecone
- **Prompt Engineering:** Intermediate level
- **RAG Systems:** Basic implementation experience

## Work Experience

### Backend Developer - InnovateTech Solutions

*Maret 2021 - Sekarang*

- Pengembangan backend APIs untuk SaaS platform melayani 100K+ users
- Implementation automated content generation menggunakan OpenAI API
- Desain dan development RAG system untuk knowledge base management
- Optimasi API performance yang meningkatkan throughput sebesar 40%
- Implementation caching strategies dengan Redis untuk reduce database load

## **Junior Backend Developer - FinTech Startup**

*Agustus 2019 - Februari 2021*

- Development RESTful APIs untuk payment processing system
- Integration dengan multiple payment providers and banks
- Implementation real-time transaction monitoring
- Database design and optimization untuk financial data

## **Backend Intern - E-commerce Company**

*Januari 2019 - Juli 2019*

- Assisted dalam API development and maintenance
- Implementation automated testing untuk backend services
- Performance optimization untuk existing endpoints

## **Education**

**S1 Sistem Informasi** - Institut Teknologi Bandung 2015 - 2019 GPA: 3.8/4.0

## **Projects**

### **Smart Document Analyzer**

*Academic Project - 2020*

- AI-powered document classification system menggunakan Python
- Implementation text extraction dari PDF documents
- Integration dengan OpenAI API untuk document summarization
- Web interface menggunakan Flask untuk document upload and analysis

### **E-commerce Backend System**

*Personal Project - 2019*

- Complete backend system untuk e-commerce dengan Django
- User authentication, product catalog, order management
- Payment integration dengan Stripe API
- Real-time inventory management dengan WebSocket

## Technical Achievements

- Reduced API response time by 60% through query optimization
- Implemented automated testing coverage 85%+
- Successfully migrated monolithic application to microservices
- Built AI-powered features that increased user engagement by 35%

## Skills Assessment

- **Problem Solving:** Strong analytical and systematic approach
- **Team Collaboration:** Excellent communication and teamwork
- **Learning Agility:** Quick learner of new technologies
- **Code Quality:** Clean code practitioner with comprehensive testing

## Languages

- **Bahasa Indonesia:** Native
- **English:** Fluent
- **Mandarin:** Basic