

# David May

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Cherylton

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## Summary

Dynamic and passionate programmer with over 5 years of experience in software development, specializing in full-stack web applications and machine learning solutions. Adept at leveraging a diverse skill set to build scalable and efficient software architectures. Known for a strong analytical mindset and an ability to work collaboratively in fast-paced environments.

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## Experience

### Senior Software Engineer

**Innovatech Solutions** - Cherylton, CA

June 2021 - Present

- Developed a **Machine Learning Pipeline** that improved model training efficiency by 30% using advanced algorithms and data preprocessing techniques.
- Led a team in creating a **Microservices Architecture** which reduced application downtime by 25% and improved deployment efficiency.
- Spearheaded the implementation of an **API Gateway** that streamlined communication between microservices, enhancing data retrieval times by 40%.

### Software Developer

**TechVantage Corp** - Cherylton, CA

January 2019 - May 2021

- Designed and implemented a **Web Application** using Django and

JavaScript, which resulted in a 50% increase in user engagement within the first quarter of launch. - Collaborated on multiple projects utilizing **Redis** for caching, reducing load times by an average of 20%. - Played a key role in developing a data visualization tool that enabled the data science team to derive insights from large datasets.

## Junior Developer

**CodeCrafters Inc.** - Cherylton, CA

August 2017 - December 2018

- Assisted in building web applications using Flask and React, contributing to the successful launch of 3 major projects. - Gained hands-on experience with **MongoDB**, enhancing database performance through optimized queries. - Participated in code reviews and contributed to a 15% reduction in bugs through rigorous testing and quality assurance processes.

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## Skills

- **Django**: Advanced
  - **JavaScript**: Expert
  - **MongoDB**: Advanced
  - **Kubernetes**: Advanced
  - **Redis**: Advanced
  - **Machine Learning**: Expert
  - **React**: Intermediate
  - **Data Science**: Expert
  - **C++**: Advanced
  - **Flask**: Advanced
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## Projects

### Machine Learning Pipeline

- Developed a robust pipeline for processing and analyzing data, leading to a 30% improvement in model accuracy over previous iterations.

## Web Application

- Created a user-friendly web application that facilitated seamless interaction between users and backend services, achieving a 50% increase in engagement.

## Microservices Architecture

- Architected a microservices framework that enabled independent service deployment, reducing system downtime and improving scalability.

## API Gateway

- Designed and implemented an API Gateway that improved communication between services, resulting in a 40% enhancement in data retrieval speeds.
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## Education

### Bachelor of Science in Computer Science

**Cherylton University** - Cherylton, CA

Graduated: May 2017

- Graduated with honors, specializing in Software Engineering and Data Science. - Completed a capstone project on real-time data processing using machine learning.

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## Certifications

- **Certified Kubernetes Administrator (CKA)** - 2022
  - **Machine Learning Specialization** - Coursera, 2021
  - **Data Science Professional Certificate** - edX, 2020
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## References

Available upon request.