

# Melanie Jones

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Lake Alicia

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## Summary

Passionate and results-driven programmer with over 5 years of experience in developing scalable applications and managing complex projects. Proficient in modern web technologies and cloud services, with a strong focus on delivering high-quality code in fast-paced environments. Known for creating innovative solutions and collaborating effectively within cross-functional teams.

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## Skills

- **Kubernetes:** Expert in orchestrating containerized applications, ensuring seamless deployment and scaling.
- **React:** Expert React developer, specializing in building responsive user interfaces with state management.
- **Angular:** Advanced skills in Angular for developing dynamic single-page applications.
- **DevOps:** Advanced knowledge of CI/CD pipelines, infrastructure as code, and cloud services.
- **Machine Learning:** Advanced understanding of machine learning algorithms and data modeling techniques.
- **Git:** Advanced proficiency in version control, collaborating on projects with multiple contributors.
- **JavaScript:** Intermediate experience with modern JavaScript frameworks and libraries.
- **FastAPI:** Intermediate skills in building robust APIs with FastAPI.

- **Java:** Beginner level knowledge, exploring object-oriented programming concepts.
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## Experience

### Software Engineer

#### Tech Innovations Inc.

*Lake Alicia, CA*

*June 2021 - Present*

- Led the development of a **Content Management System** that improved content publishing speed by 40% through a user-friendly interface. - Designed and implemented a **Real-time Chat System** using React and WebSocket, facilitating seamless communication for over 500 users. - Collaborated with the DevOps team to establish CI/CD practices, reducing deployment time by 30% and enhancing the overall workflow.

### Full Stack Developer

#### NextGen Solutions

*Lake Alicia, CA*

*January 2018 - May 2021*

- Developed a **Data Analytics Dashboard** that provided actionable insights, leading to a 25% increase in customer engagement. - Contributed to the creation of a **Microservices Architecture**, enabling modular development and scaling of applications. - Played a key role in building an **API Gateway** to streamline service interactions, enhancing system efficiency by 20%.

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## Projects

- **Microservices Architecture**

Architected a microservices-based application that improved system reliability and reduced downtime by 15%.

- **API Gateway**

Developed an API Gateway that unified access points for various services, enhancing security and performance metrics.

- **Data Analytics Dashboard**

Created a dashboard using Angular and FastAPI that visualized real-time data, which was adopted by more than 100 clients.

- **Content Management System**

Designed an intuitive CMS that allowed non-technical users to manage content, reducing support queries by 50%.

- **Real-time Chat System**

Implemented a chat system that supported 1,000 concurrent users, improving user interaction within applications.

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## Education

### Bachelor of Science in Computer Science

**Lake Alicia University**

*Lake Alicia, CA*

*Graduated: May 2017*

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## Certifications

- **Certified Kubernetes Administrator (CKA)** - 2022
  - **AWS Certified Solutions Architect – Associate** - 2021
  - **Machine Learning Specialization** - Coursera - 2020
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## References

Available upon request.