**EMILY CARTER**  
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**SOFTWARE ENGINEER | FULL-STACK DEVELOPER**

**Professional Summary**  
Innovative Software Engineer with 5+ years of experience designing, developing, and deploying scalable software solutions. Proficient in full-stack development, cloud infrastructure, and microservices architecture. Adept at collaborating with cross-functional teams to deliver high-performance applications, ensuring reliability, security, and maintainability.

**EDUCATION**  
Bachelor’s Degree in Computer Science **09/2014 – 06/2018**  
Massachusetts Institute of Technology (MIT), USA

**WORK EXPERIENCE**

**TECHCORE INC.** - San Francisco, USA **01/2020 – Present**  
*Senior Software Engineer*

* Designed and implemented microservices architecture for a high-traffic e-commerce platform, improving scalability by 40%.
* Developed and deployed RESTful APIs using Node.js and Express, reducing response time by 25%.
* Migrated legacy systems to a cloud-native solution on AWS, cutting infrastructure costs by 30%.

**INNOVATECH SOLUTIONS** - Seattle, USA **07/2018 – 12/2019**  
*Software Engineer*

* Built a real-time chat application using WebSocket and React, increasing user engagement by 20%.
* Optimized database queries in PostgreSQL, reducing average query execution time by 50%.
* Developed a custom task scheduler in Python, automating 90% of repetitive tasks for the operations team.

**PERSONAL PROJECTS**

**Collaborative Code Editor**

* Created a real-time collaborative code editor using React, Firebase, and WebRTC.
* Enabled multi-user interaction with features like syntax highlighting, live preview, and conflict resolution.

**Task Management System**

* Designed a task management web app using Django and Angular, integrating Kanban-style boards for visual task tracking.
* Deployed the application on AWS with auto-scaling policies to handle up to 1,000 concurrent users.

**Online Learning Platform**

* Developed a platform for hosting interactive courses, integrating video streaming and quiz modules using Flask and Vue.js.

**PROFESSIONAL SKILLS**

* **Programming Languages:** Python, JavaScript, Java, C++
* **Web Development:** React, Angular, Vue.js, Node.js, Django, Flask, Express
* **Database Management:** PostgreSQL, MySQL, MongoDB, Redis
* **DevOps & Cloud:** AWS (EC2, S3, Lambda), Docker, Kubernetes, Jenkins, GitHub Actions
* **Software Design:** Microservices, RESTful APIs, Object-Oriented Design, Agile Development

**TRAINING AND CERTIFICATIONS**

* **AWS Certified Solutions Architect – Associate** – 06/2022
* **Certified Kubernetes Administrator (CKA)** – 10/2021
* **React Nanodegree – Udacity** – 03/2020

**LANGUAGE COMPETENCIES**  
English | French