# ALEKSA
# MILOVANOVIC

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## OBJECTIVE

Software Engineer trained in Security and DevOps. Looking for a position in industry to broaden horizons with direct impact on operations/product where existing knowledge can be applied while also expanding knowledge.

## EDUCATION

**Bachelor of Science in Computer Science | University of Washington Seattle**
SEPTEMBER 2018 – JUNE 2021 (GPA: 3.7, Dean's List x4)

## EXPERIENCE

**Software Engineer I          | F5 Networks          JUNE 2021 – PRESENT**
- Identified and fixed underlying security risk within internal tools before bug was discovered elsewhere.
- Updated/optimized 300+ pages of documentation on a traffic generation tool.
- Removed bugs from production code, enhancing performance to within 5% of desired speed.
- Communicated cross-team to specialize tests to specific needs.

**Software Engineering Intern | F5 Networks          JUNE 2020 – SEPTEMBER 2020**
- Reduced 90% of logging clutter by prefiltering events and refining logging levels.
- Reduced time taken to test security features by 70% by automating event generation.
- Created administrative tools used in packaging software, speeding up deployment by 20%.

**Software Engineering Intern | F5 Networks          JUNE 2019 – SEPTEMBER 2019**
- Managed the secure transfer of sensitive information over internal WAF endpoints.
- Integrated NGINX into the existing product during the merger of F5 and NGINX.

## SKILLS

- **Backend** – Java, C, Python, Go
- **Database** – SQL, MSSQL, Neo4j
- **Collaboration** – Git, JIRA, Slack, Confluence
- **Agile development**
- **Leadership** –Philosophy of Medicine, Interact Club, Eagle Scout, DECA Internationals

## PROJECTS

- Recipe-lookup website (projectquarantinechef.com – Java, Cypher, HTML) (Spring 2020)
  - Led team as database designer, maintainer, scheduler, git owner, and CI/CD admin.
  - Implemented a noSQL database to hold user profiles, making session persistence possible.
- Chess AI engine (Java 2019)
  - Implemented AI models and data structures to mostly draw against Stockfish level 6 out of 8.
  - Used transposition tables, move sorting, table bases to improve performance.
- Java Compiler (Java, 2020)
  - Created a scanner and parser that would translate Java code into optimized assembly.