MILOS FILIPOVIC

Senior Software Engineer | C/C++ expert | Full-Stack Developer

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SUMMARY

Versatile software engineer skilled in C/C++, kernel optimization, and full-stack development with expertise in Node.js, Express, and MongoDB. Proven success in system migrations, real-time data processing optimization, and implementing secure solutions. Experienced in leading cross-functional teams, integrating advanced technologies like machine learning, and optimizing systems for enhanced efficiency.

EDUCATION

Bachelor's in Computer Engineering

University of Novi Sad
📅 06/2014 - 08/2018

EXPERIENCE

Software Development Intern

nixGames
📅 09/2017 - 06/2018 📍 Krakow, Poland

- Collaborated on integrating a machine learning algorithm into an Unreal Engine project using C++ and Blueprint, optimizing character movement.
- Developed a real-time data processing module in C++ with STL and Boost, improving processing efficiency by 15%.
- Established an asynchronous Node.js server with Express, diminishing data exchange time by 20%.
- Integrated continuous integration with Travis CI, reducing build failures by 30%.
- Enhanced system security by implementing user authentication with OAuth 2.0.
- Deployed a caching mechanism leveraging Redis, leading to a 25% reduction in database queries.

Junior Full Stack Developer

Tree Stones
📅 01/2019 - 12/2020 📍 Bern, Switzerland

- Led migration of a legacy PHP application to a modern Node.js stack, boosting response times by 30%.
- Automated testing using Python and PyTest, reducing testing time by 30% and improving code quality.
- Integrated AWS Lambda for serverless computing and Amazon S3 for scalable storage, reducing operational costs by 25%.
- Spearheaded the implementation of an event-driven architecture with Apache Kafka, achieving a 25% improvement in real-time data processing efficiency.
- Pioneered the adoption of GraphQL for API communication, resulting in a 20% increase in communication efficiency and flexibility.
- Enforced end-to-end encryption through OpenSSL, fortifying data security with a 30% decrease in potential vulnerabilities.

Senior Software Engineer

Rivian
📅 03/2020 - 12/2021 📍 Belgrade, Serbia

- Spearheaded the end-to-end development and optimization of device firmware, resulting in a 15% improvement in system performance and a 20% reduction in boot time.
- Applied advanced reverse engineering techniques to analyze and improve existing systems, leading to a 30% reduction in software vulnerabilities and enhancing overall system security.
- Led the design and implementation of Windows drivers, ensuring seamless integration with hardware components and contributing to a 25% improvement in system stability, measured by a decrease in system crashes.
- Elevated the network stack through in-depth analysis and enhancements, resolving complex network issues and achieving a 20% increase in data throughput, validated through network performance metrics.
- Collaborated across teams to integrate firmware, drivers, and network components, resulting in a 20% acceleration of project timelines and a 25% decrease in post-release bug reports.
- Designed and implemented custom network protocols, addressing specific project requirements and achieving a 25% reduction in data transfer latency, validated through latency measurement tools.

SKILLS

C/C++ Assembly Unreal Engine
JavaScript Node.js Express.js STL
Boost Blueprint OAuth 2.0 Travis CI
Redis PHP Python Java Go
Spring Boot PyTest AWS Lambda
Amazon S3 Prometheus Web3.js
Apache Kafka GraphQL OpenSSL
TensorFlow React.js Docker
Kubernetes Jira GitLab CI/CD
New Relic MySQL PostgreSQL
MongoDB MariaDB SQLite Linux
Windows Firmware IDA Pro
Windows Driver Kit WireShark Swift
React Native ASP.NET

ACHIEVEMENTS

💎 **Kernel Optimizing Pro**
Boosted system efficiency by optimizing real-time scheduling algorithms, customizing device drivers, and enhancing security measures. Achieved a 30% reduction in latency, 40% improvement in communication speed, 40% decrease in vulnerabilities, 15% enhancement in overall system performance, and a 20% reduction in boot time.

👍 **Legacy System Migration Maestro**
Led the successful migration of a legacy PHP application to a modern Node.js stack, achieving a remarkable 30% improvement in response times. This accomplishment not only showcased my technical prowess but also played a pivotal role in elevating the overall efficiency and performance of the system.

PERSONALITY

👉 **Outgoing**

🧍 **Enthusiastic**

💙 **Hopeful**

🤲 **Friendly**

EXPERIENCE

Senior Full Stack Developer

Qualysoft

📅 02/2022 - 11/2023   📍 Vienna, Austria

- Architected a scalable backend usingNode.js, Express, and MongoDB, achieving 99.9% availability.
- Led Jira integration for project management, improving collaboration efficiency by 20%.
- Developed an AI-driven recommendation engine in Python and TensorFlow, boosting user engagement by 20%.
- Orchestrated microservices architecture utilizing Docker and Kubernetes, elevating system modularity.
- Introduced automated deployment strategies with GitLab CI/CD, reducing manual errors by 40%.
- Conducted performance tuning using New Relic, optimizing system response times by 15%.

LANGUAGES

English
Native

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