Contact

juliancarter.softdev@gmail.com

www.linkedin.com/in/julian-carter-84a436337 (LinkedIn)

Top Skills

Network IDS
Recommender Systems
Cloud Storage

Julian Carter

Senior Full Stack Engineer at Inmost
Tallinn, Harjumaa, Estonia

Summary

Senior Full Stack Engineer with over 7 years of experience in both front-end and back-end development. Skilled in programming languages including JavaScript, TypeScript, Python, Java, Golang, Kotlin, and PHP, and familiar with frameworks such as React, Next.js, Angular, Vue, Nuxt.js, Django, Laravel, Java Spring, Node.js and Kotlin. Proficient in various testing methodologies aimed at improving software performance and reliability. Experienced in managing complex projects on cloud platforms like AWS and Google Cloud Platform, with expertise in microservices, serverless architectures, and containerization techniques. Strong in problem-solving and effective communication.

Experience

Inmost
Senior Full Stack Engineer
October 2022 - September 2024 (2 years)
Tallinn, Harjumaa, Estonia

- Developed and maintained GraphQL APIs and implemented GraphQL server solutions with Apollo Client for flexible data retrieval, improving application performance by 55%.
- Implemented a robust real-time capability leveraging the WebSocket protocol, significantly enhancing the application's responsiveness and user experience.
- Leveraging modern UI libraries and frameworks like Radix UI for accessible components, Tailwind CSS for utility-first styling, Material UI for pre-built React components, and D3 for powerful data visualizations to enhance productivity.
- Designing scalable microservices on AWS leverage serverless computing with AWS Lambda for event-driven processing and utilize Redis, S3, Vercel blob for high-performance caching and data storage.
- Orchestrating containerized services with Kubernetes, package applications using Docker for consistency and portability, and employ AWS managed services for service discovery, API management, and messaging, while

implementing auto-scaling, infrastructure as code, and robust security measures to ensure high availability and optimal performance.

- Engineered a comprehensive and robust CI/CD pipeline with Gitlab CI and Jenkins, implemented infrastructure as code using Terraform, and automated testing, deployment, code convention with ESLint, and monitoring processes, cutting release cycles by 50%.

- Developed and enforced comprehensive testing strategies with Jest, JUnit, Swagger, and Postman, utilizing Code Coverage Tools and Profiling Tools, resulting in a 70% reduction in post-release defects.

- Ensured security best practices by utilizing functional components and hooks, sanitizing HTML to prevent XSS, enforcing strict CORS policies to control resource access, mitigating CSRF attacks through secure token management, using non-vulnerable library versions, and enforcing secure server-side rendering.

Yalantis
Full-stack Developer
January 2020 - September 2022 (2 years 9 months)
Tartu, Tartumaa, Estonia

- Managed and enhanced a scalable e-commerce platform using React for the front-end and Kotlin for the back-end, incorporating micro front-ends to enhance modularity and reduce load times by 40%.

- Optimized front-end performance with Progressive Web App (PWA) technologies, service workers, and WebAssembly, leading to a 40% increase in mobile user engagement and offline capabilities.

- Engineered a multi-language microservices architecture leveraging Golang, Python and Java for back-end services, enabling high-performance, scalable solutions, and achieving a 50% improvement in service response times.

- Developed and maintained a robust CRM system using PHP and MySQL, incorporating advanced features such as automated workflows and real-time analytics, which increased operational efficiency by 30%.

- Led the migration of legacy systems to a cloud-native architecture with AWS and Docker, utilizing Java Spring Bot for new services, which reduced infrastructure costs by 55% and improved deployment speed.

- Built and optimized a custom search engine using Elasticsearch and Ruby on Rails, improving search efficiency and user experience by 50% through advanced indexing and query optimization.

- Implemented advanced caching strategies with Memcached and Redis, significantly reducing back-end load and improving application response times by 35%.

- Developed a comprehensive automated testing suite using Jest, JUnit, and RSpec, ensuring high code quality and reducing bug rates by 45%.

OmiSoft
Junior Web Developer
June 2017 - December 2019 (2 years 7 months)
Tartu, Tartumaa, Estonia

- Architected and led the development of a high-traffic web application using Python (Django) for the back-end and React with TypeScript for the front-end, achieving a 50% improvement in user engagement through advanced features and a highly interactive UI.
- Enhanced front-end performance with lazy coding, code splitting, and advanced caching strategies, resulting in a 35% improvement in application load times and overall user satisfaction.
- Integrated real-time capabilities with SignalR, reducing latency in dynamic user interactions.
- Implemented RESTful APIs to connect front-end components with the back-end, ensuring smooth data flow between the client and server, and gaining core experience in API design and implementation.
- Implemented advanced security measures, including JWT for user authentication and authorization, ensuring compliance with industry standards and reducing security vulnerabilities.

Education

Talinn University of Technology
Bachelor's degree, Computer Science · (September 2013 - June 2017)