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SUMMARY:

Expert Software Engineering professional with over a decade of experience leading teams through the full engineering lifecycle to deliver production-grade, full-stack applications. Cross-functional leadership in shaping and scoping client solutions, translating complex business problems into technical road-maps and prioritized backlogs. Deep expertise in driving front-end modernization, architecting cloud-native solutions (k8s/AWS/Azure/GCP), and establishing engineering best practices in CI/CD, automated testing, and observability. Passionate about building high-performing, collaborative teams through both mentoring and upskilling engineers, as well as via improving developer experience and internal tooling.

A SELECTION OF ACHIEVEMENTS in terms of web technologies and frontend:

- **Full-Stack Architecture & Modernization:** Led the modernization of a clinical trials platform at *Climedo Health*, leading migration to Kubernetes and improving performance through data structure optimization and enhanced observability via OpenTelemetry. Architected and deployed scalable, cloud-native Node.js solutions on AWS and GCP for multiple freelance clients, as well as k8s in full time roles.
- **Web Technologies expertise:** Established the Web Tech strategy for the Automotive department at *msg systems ag*, defining frontend architectures and processes for over 25 customer projects.
- **Engineering Best Practices:** Drove the adoption of modern engineering standards, including the move to TypeScript, implementing efficient architectures, and automating DevOps workflows with Jenkins, GitLab CI, and other platforms.
- **Machine learning and AI:** extensive experience, from the early deployment of ML models which calculate loan risks at *Santander* on Google Cloud Platform and exposing

via APIs for internal systems, , to current work with automating industrial maintenance at *remberg* through creating AI tools and improving prompt-ops.

EMPLOYMENT:

Senior Software Engineer

remberg GmbH (January 2025 – present) – senior software engineer

- Established best practices for building AI tools for the remberg platform's AI copilot via implementation of several AI tools, using Vercel AI SDK, Langfuse in the NestJS stack.
- Advanced testing automation by implementing a Proof of Concept for AI-assisted end-to-end testing with Playwright, thus significantly improving platform testability
- Architected and deployed containerized background job processing systems, for both scheduled and event-triggered jobs to improve platform scalability and reliability.
- Developed several core-platform features, from the database migrations via services and frontend all the way to e2e tests.

Principal Engineer

Climed Health (January 2023 – January 2025) – principal software engineer

- Owned the full-stack design and development of the clinical trials platform, built on a MEAN stack with RabbitMQ and deployed to Kubernetes on AWS.
- Drove significant performance and reliability gains by re-architecting MongoDB data structures as well as API design and efficient and scalable UI patterns, as well as decomposing and refactoring highly complex data structures to optimize performance of working with 10MB+-sized documents
- Implemented full platform observability with OpenTelemetry and mentored engineers on preventive/predictive as well as corrective troubleshooting.
- Improved and upgraded the developer efficiency by implementing JavaScript and TypeScript best practices and introducing efficient architectures, move to TypeScript and similar efficiency steps
- Trained and enabled existing and new Angular developers in modern Angular and frontend technologies
- Supported and directed the internal DevOps team in migration to kubernetes from ECS
- Coached, mentored and leaded software engineers and teams in software engineering

topics individually and held close to 40 internal workshops and trainings

- Consulted tech and non-tech, internal and external stakeholders on the platform direction and possibilities

Principal IT Consultant

msg systems ag (July 2018 – December 2022) - principal architect for Frontend projects in Automotive&Manufacturing branch of the company

- Acted as a primary technical consultant for over 25 client projects, working with business teams to translate requirements into technical roadmaps and product features.
- Created a “Web Tech” strategy for cross-training 500+ (mostly Java) engineers in modern frontend technologies such as Angular and React
- Developed a strategic approach to Frontend architectures, to facilitate cross-team collaboration and help engineers to move between projects
- Created Angular, React, Micro-Frontend and similar trainings and coached and mentored software engineers and teams in Frontend topics
- Trained more than 250 Software Engineers in various technologies
- Developed and executed a company-wide React training program for a major German banking software provider, upskilling their internal engineering teams.

Freelance Consultant

Freelance (March 2006. - 2018) – freelance web, Angular, Node.js, Linux and other projects:

- Owned the full delivery lifecycle for multiple startup clients, from initial architecture and release planning to post-deployment monitoring and support
- Integrated and managed several types of software deployments, including AWS and GCP
- Migrated multiple projects from PHP and Python to scalable cloud-based solutions
- Coached and trained customers’ internal engineering force in FE topics
- Automated software development and deployment processes on Linux-based stacks, both directly as well as via Jenkins CI platform

Software developer – Node.js

ThinXNet GmbH. (November 2014. - November 2015.) - backend engineer

- Designed, developed and maintained REST APIs, adapters, connectors and services in a microservice architecture for native and web clients around Node.js platform
- Maintained the architecture of Node.js/RabbitMQ/MongoDB-based IoT platform
- Mentored and supported junior developers (in Node, Polymer webapps)
- Designed and implemented reporting based on MongoDB aggregation pipelines
- Introduced team and individual best-practices (git-flow based development, TDD, automating DevOps and other tasks) into the development workflow

Head of IT department

Schenker d.o.o. Croatia (August 2012. - November 2013.)

- Lead integration and interfacing of local systems with worldwide DB Schenker net
- Coordinated and architected development of inhouse ERP with a Progress ISV
- Managed IT department of two people, support helpdesk for ~100 people
- Implemented helpdesk software and internal support procedures and SLAs
- Managed in-house network and hardware/virtualization infrastructure

IT development manager

PBK partneri d.o.o. (October 2009. - July 2012.):

- Extended Alfresco to become MyOffice.hr, a marketplace-type platform for managing company documentation, HR and accounting processes
- Integrated a process-oriented document management system to support accounting business processes, financial processes from approval to payment, translation, legal support and other support processes
- Extended Alfresco frontend (Spring Surf based pages/dashlets, UI functionality with YUI) and backend (data models, JavaScript- and Java-based webscripts, BPL workflows, integration with accounting systems via custom SQL, basic OCR with tesseract and more).
- Managed external contractors in extending the functionality of the portal
- Integrated reporting with external (Dynamics based) systems
- Created and deployed initial support for banking and payment integration

IT education and business process development expert

adriatica.net (October 2008. - October 2009.):

- Assessed and prepared business requirements for integrating 3 different tourism-related merged companies into the adriatica.net group, the leading Croatian destination platform
- Prepared functional specifications and lead acceptance tests for replacing various inhouse platforms for a new Java-based centralized solution in tourism-related processes, from sourcing accommodation, to providing accommodation and booking and destination-based services
- Assisted in integration of multiple operative, sales and accounting systems
- Provided support and education to end-users for those applications
- Developed and lead education in in-house business applications and standard software

Linux server administrator

hostforweb.com via CERP –computer support center (January 2008.- October 2008.):

- Provided L2 and L3 support in server administration and service installation and configuration
- Maintained networks, firewalls and connectivity within the hostforweb network of ~100,000 domains.
- Installed software (Apache and modules, built custom php and python modules with various configurations) on demand on VPS (Virtuozzo and openVZ) nodes, and dedicated servers.
- Configured email , web , MySQL and PostgreSQL, DNS, firewall and other services

Freelance Linux Support engineer

Freelance (~2004.- December 2007.):

Various part-time freelance projects, such as:

- Website development and design
- Linux server configuration, deployment, hardening
- Created PHP backoffice applications

English, Elementart school teacher (2004-2007)

Antun Mihanovic elementary school Nova Kapela (September 2004.- December 2007.):

- Worked as elementary and English teacher in elementary school

TECHNICAL SKILLS:

- Languages: TypeScript, JavaScript, Node.js, HTML5/CSS3, SQL, Python, Go, PHP, Java
- Frontend: Angular, React, Vue.js (experience via training/architecture), Redux, RxJS, SASS/LESS, Jest, Cypress, Webpack
- Backend: Node.js/Express, RESTful APIs, GraphQL, RabbitMQ, Golang
- Cloud & DevOps: AWS, GCP, Kubernetes, Docker, Jenkins CI, GitLab CI, GitHub, Terraform (Infrastructure-as-Code principles)
- Databases: MongoDB (including Aggregation Pipelines), Redis, PostgreSQL, MySQL
- Methodologies: Agile (Scrum/Kanban), TDD, Git-Flow, CI/CD, Microservice Architecture

LANGUAGES:

- **English** (Fluent)
- **Croatian** (Native)
- **German** (Working Proficiency)

EDUCATION:

University specialist in economics (Economics Faculty in Osijek, Croatia, 2008)

- graduated on post-graduate studies in Organization and Management, with the subject of “Managing IT systems in the globalization environment”

Graduated teacher (Teacher training college in Osijek, Croatia, 2004)

- graduated as an Elementary school teacher

Electronics technician (Željeznička tehnička škola, Zagreb, 1996)

- graduated as electronics technician, telephone and telecommunications electronics

HOBBIES AND INTERESTS:

- photography, bouldering, archery, guitar