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EDUCATION

State University of Novi Pazar
Software Engineering

Novi Pazar, Serbia
2020 – 2024 (Expected)

PROJECT EXPERIENCE

State University of Novi Pazar
Evently - Event organization platform

Novi Pazar, Serbia
Oct 2022 - Jan 2023

- Built a revolutionary event management web application using React.js, ASP.NET Core API, MobX, SignalR, PostgreSQL, TypeScript, and C#.
- Showcased expertise in web development and the ability to deliver high-quality, robust, and user-friendly applications.
- Demonstrated knowledge of scalable architecture, real-time communication, and efficient data storage, addressing the job post's requirements for cutting-edge technologies and seamless user experiences.

State University of Novi Pazar
pAlthon Games

Novi Pazar, Serbia
Nov 2022 - Jan 2023

- Utilized React.js, Django, MobX, and TypeScript to develop a web-based application for interactive and engaging player experiences.
- Demonstrated proficiency in AI pathfinding and game theory algorithms and web development technologies, showcasing a strong understanding of React.js, state management, and type-checking.
- Developed a highly performant and scalable application, aligning with the job post's emphasis on cutting-edge technologies and full-stack development.

Unversity Hackathon
GeoCollector

Novi Pazar, Serbia
Nov 2022

- Led the development of the back-end using Node.js and integrated image recognition API with Custom Vision by Microsoft Azure.
- Collaborated with teammates in building the front-end using React.js, ensuring a seamless and intuitive user experience.
- Demonstrated innovation, problem-solving, and teamwork skills through **winning a hackathon** with an application that collects and organizes geographical data.

State University of Novi Pazar
Ping

Novi Pazar, Serbia
May 2023 - June 2023

- Developed Ping, a feature-rich WhatsApp clone, using React Native and Java Spring Boot, encompassing video calling, chat, group chat, voice messages, and media messaging capabilities.
- Implemented WebSockets for real-time chat communication and Google WebRTC for seamless peer-to-peer video communication, showcasing expertise in real-time technology integration.

LICENSES & CERTIFICATIONS



Introduction to DevOps by IBM

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- Acquired a comprehensive understanding of DevOps principles, fostering a culture of shared responsibility, transparency, and adaptability within development and operations teams.
- Demonstrated proficiency in key DevOps practices, including Continuous Integration and Continuous Delivery (CI/CD), Infrastructure as Code (IaC), Test Driven Development (TDD), and Behavior Driven Development (BDD).
- Gained expertise in essential DevOps concepts such as software engineering best practices, cloud-native microservices architecture, and the implementation of automated continuous deployments.
- Developed the ability to create resilient code that can withstand challenges, contributing to the reliability and stability of software systems.
- Recognized the organizational impact of DevOps, promoting collaboration by breaking down departmental silos, working effectively in cross-functional teams, and encouraging the sharing of responsibilities among team members.



Introduction to Cloud Computing by IBM

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- Proficient in defining and articulating the concept of cloud computing, including its essential characteristics, historical context, the business rationale for cloud adoption, and the transformative potential of cloud technologies.
- Deep understanding of cloud service models, including Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS), as well as cloud deployment models such as Public, Private, and Hybrid clouds. Adept at explaining the core components of cloud infrastructure.
- Well-versed in emerging cloud-related trends, including Hybrid Multicloud strategies, Microservices architecture, Serverless computing, Cloud Native development practices, DevOps methodologies, and the process of Application Modernization.
- Capable of listing and describing the services offered by leading cloud platforms, such as AWS, Microsoft Azure, Google Cloud, IBM Cloud, Alibaba Cloud, and others. Familiarity with the capabilities and offerings of these platforms, enabling informed decision-making in cloud technology selection.



Introduction to Agile Development and Scrum by IBM

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- Proficient in applying the five key practices of Agile development, a fundamental subset of DevOps, including working with small batches, developing minimum viable products (MVPs), practicing pair programming, and implementing behavior- and test-driven development (BDD and TDD).

- Skilled in the creation of well-defined user stories, accurately estimating and assigning story points, and effectively tracking progress using a Kanban board.
- Profound understanding of Scrum methodologies, encompassing the utilization of Scrum artifacts, events, and the advantages they bring to project management and product development.
- Capable of initiating and refining a product backlog through the sprint planning process, resulting in the continuous production of potentially shippable product increments during each iteration.
- Competent in generating and interpreting burndown charts to predict the team's ability to meet sprint goals, enabling data-driven decision-making and the optimization of project timelines.
- Proficiency in leveraging key performance metrics to enhance team performance, productivity, and client satisfaction, ensuring successful project delivery and stakeholder contentment.

Software Engineering Essentials by IBM

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- Proficient in defining the fundamentals of software engineering, including the concept of the Software Development Lifecycle (SDLC), as well as the essential software development tools, technologies, and technology stacks commonly used in the field.
- Competent in identifying various programming languages and demonstrating the ability to create basic programming constructs such as loops and conditions using Python, a versatile and widely-used programming language.
- Well-versed in outlining different approaches to application architecture and design, including design patterns and deployment architectures, crucial aspects in building scalable and maintainable software systems.
- Capable of summarizing the skills and competencies required in software engineering, providing a comprehensive overview of the skills and knowledge needed to excel in this field.
- Proficient in describing the diverse career options and opportunities available in the field of software engineering, showcasing a clear understanding of the potential career paths and growth prospects within the industry.

Hands-on Introduction to Linux Commands and Shell Scripting by IBM

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- Proficient in describing the Linux architecture and identifying common Linux distributions, demonstrating the ability to update and install software on Linux systems, ensuring system security and functionality.
- Skilled in executing a wide range of essential Linux commands in the Bash shell, including informational, file management, content manipulation, navigation, compression, and networking commands, enhancing productivity and system administration capabilities.
- Capable of developing shell scripts using Linux commands, environment variables, pipes, and filters, enabling automation of routine tasks and enhancing system efficiency.
- Experienced in scheduling cron jobs in Linux using the crontab utility, with a deep understanding of cron syntax, allowing for the automated execution of tasks at specified intervals, ensuring timely and consistent system maintenance and management.

Getting started with Git and GitHub by IBM

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- Proficient in version control and its significance in enabling collaborative and social coding practices, as well as its role in facilitating DevOps processes, ensuring efficient code management and team collaboration.
- Adept at explaining fundamental Git concepts, including repositories and branches, essential components of distributed version control systems, and key elements of social coding, supporting effective code versioning and collaboration.
- Skilled in creating GitHub repositories and branches, along with performing pull requests (PRs) and merge operations, demonstrating the ability to actively contribute to team projects, streamline code integration, and maintain code quality through code reviews.
- Capable of building and showcasing a professional portfolio by creating and sharing open-source projects on GitHub, illustrating your proficiency in leveraging Git and GitHub for collaborative software development and sharing your work with the broader developer community.

SKILLS & INTERESTS

- **Technical Skills:**
 - Programming Languages: React.js, React Native, Node.js, ASP.NET Core, WPF Framework, Angular, Java Spring Boot, TypeScript
 - Databases: PostgreSQL, MySQL, SQLServer, SQLite, MongoDB
 - Testing: Selenium, JEST, React Testing Library
 - Version Control: Git, GitHub Actions
 - Cloud Platforms: Azure, IBM Cloud
 - Software Architecture: UML Diagrams
 - Agile Methodologies, Scrum Methodology, Kanban, Sprint Planning, Zenhub
 - The Software Development Lifecycle (SDLC)
 - Software Design
- **Soft Skills:**
 - Effective Communication
 - Open-mindedness and Adaptability
 - Strong Problem-solving Abilities
 - Continuous Learning and Curiosity
 - Teamwork and Collaboration
- Additional interests:
 - Data Science
 - Further exploring cloud computing