

Natalia Chernysheva

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Junior Full Stack Developer

<https://portfolio.chernysn.tech>
<https://github.com/nchernys>
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Education

Full Stack Software Development

July 2023 – May 2024, Certificate
University of Texas at Austin McCombs School of Business
Coding Bootcamp

Back End with Python Engineering

May 2023 – October 2023, Certificate
Nucamp Coding Bootcamp

PhD in Slavic Languages and Literatures

University of North Carolina at Chapel Hill, 2017

BA/MA in Russian Language and Literature

Moscow Pedagogical University, 2000

Skills

HTML, CSS, JavaScript

Bootstrap, TailwindCSS

MERN stack (MongoDB, Express.js, React.js, Node.js)

Django, Python

PostgreSQL, MySQL, MongoDB

VS Code, Git version control

Recent Professional Experience

Russian Language Instructor

2017 – present
Department of Germanic and Slavic Languages and Literatures
University of North Carolina at Chapel Hill, NC

- Developed and re-designed Russian language curriculum to improve student learning experience and outcomes.
- Managed tutoring within the State Department-funded Russian Flagship program, overseeing budget, scheduling, and tutor training.

Projects

Project 1: Hotel reservation system

MERN stack (MongoDB, Express.js, React.js, Node.js)
Emphasis on both the frontend and backend functionalities
GitHub: <https://github.com/nchernys/hotel-lake>
Deployed: coming soon

As a fresh college graduate, I explored several career paths, one of which was a travel agent. I enjoyed the dynamic agile atmosphere of the travel agency I worked for as well as a chance to work directly with the clients and the partners abroad to develop custom travelling experiences for each client. My professional experience

as a travel agent has inspired me to develop a hotel website with the focus on the reservation functionality. On the front end of the room reservation page, I implemented a user-friendly and visually captivating image gallery to provide the user with an immersive experience while exploring room features and enhance user tactile engagement with the webpage through the click-to-enlarge functionality. In the reservation form, I integrated the <Calendar /> component to showcase the dates available for the reservation and to dynamically highlight the dates selected by the guest to enhance the user visual feedback and reduce the chance for error. On the back end, I integrated RESTful API requests to save the new order to the database and to display the new order both to the guest Orders page and on the Admin Dashboard Orders page. Finally, I automated the invoice generation functionality on the Admin Dashboard with the <PDF Generator /> component, which fetches the data about each order from the database and outputs it on the PDF page.

Project 2: Canvas equivalent

MERN stack (MongoDB, Express.js, React.js, Node.js)

Emphasis on the backend functionality

GitHub: <https://github.com/nchernys/school-dashboard-MERN>

Deployed: <https://school-dashboard.chernysn.tech/>

As an educator, I have extensively used the Canvas course management system, so I decided to challenge myself to develop a Canvas alternative as a full stack developer. For this project, I used the MERN stack. I designed and implemented features for course and assignment management, student enrollment in courses, and grade management with an option to post and update a grade on click, which I enjoyed as a Canvas user. I implemented RESTful API requests such as POST, GET, PATCH, and DELETE to facilitate interaction with the MongoDB database, ensuring efficient data storage and handling. I integrated Context to reflect immediate state updates after a student, a course, or an assignment has been added, updated, or deleted in the database. I intend to further upgrade the project by integrating additional helpful features. For instance, I plan to add a secure role-based authentication functionality with JWT token and bcrypt password hashing which will allow students, instructors, and school administrator to have separate access to different functionalities of my learning management system.