

# VASIL IGNATOV

Former Electrical Engineer, future JavaScript Developer

My professional journey began in electrical engineering, where I honed my problem-solving skills. However, my true calling emerged when I transitioned into the realm of software development. Coding quickly became my passion, offering me a platform to address complex challenges with creativity and precision.



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## WORK EXPERIENCE

### Electrical Substation Operator Electricity System Operator EAD

06/2015 - 11/2022

## PERSONAL PROJECTS

#### Chatbook [↗](#)

- Chatbook is Messenger clone application created with MERN stack and socket.io for real time chatting. The project has been deployed, click on the link above to view it.
- Real-time updates to conversation messages
- User typing functionality
- Changing the user's data and uploading a profile image through an external storage API (Imagekit.io)
- Friend search feature implemented by using debouncing to reduce server requests.
- Link to Front-end repository. [↗](#)
- Link to Back-end repository. [↗](#)

#### E-commerce App [↗](#)

- E-commerce project created with MERN stack.
- Route guards have been implemented using the HOC pattern on the following routes: wishlist, cart, and checkout.
- Authenticated users can view products, add them to the cart, and make purchases. They can also add products to their wish list.
- Guests can only browse products without the ability to make purchases.
- Dynamically loading product categories in the sidebar menu.
- Authentication implemented with JWT.
- Link to Front-end repository. [↗](#)
- Link to Back-end repository. [↗](#)

#### Express-boilerplate [↗](#)

- A boilerplate for quickly building RESTful APIs using Express and Mongoose.
- The project is published on npm, and it can be easily executed using the following command: `npm create -boilerplate-express < your-app-name>`
- Link to npm [↗](#)
- Authentication and authorization are established using Passport.js and two custom middlewares, 'auth' and 'isAdmin'.
- Error handling through a global error handler.
- Improving security by using Helmet to set secure HTTP headers and implementing data sanitization to protect against XSS and query injection vulnerabilities.

## EDUCATION

### BSc Electric Power Engineering "Angel Kanchev" University of Ruse

### Computer Technology "Apostol Arnaudov" High School

## TECHNOLOGIES

JavaScript

HTML

CSS

React.js

Express.js

Node.js

MongoDB

Mongoose

MySQL

Socket.io

Bootstrap

## SOFT SKILLS

Problem-solving

Adaptability

Teamwork

## CERTIFICATES

Socket.io [↗](#)

MySQL [↗](#)

AWS Essentials [↗](#)

JS Back-end [↗](#)

JS Applications [↗](#)

JS Fundamentals [↗](#)

JS Basics [↗](#)

## LANGUAGES

English

*Professional Working Proficiency*

## INTERESTS

Guitar Playing

Martial Arts

Hiking