Bogdan Pozderca
Computer Science & Engineering

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Education

Michigan State University East Lansing, MI
B.S. Computer Science & Engineering May 2018
B.S. Genomics & Molecular Genetics

Portfolio

https bogdan.pozderca.com   bogdanpozderca
in/bogdanpozderca   bogsetafire

Work Experience

Hunt Club Chicago, IL
Senior Software Engineer II Feb 2022 - Nov 2022
I helped optimize and scale the in-house relationship engine, allowing thousands of subject matter experts to be leveraged as part of a powerful referral network for Hunt Club Recruiters. Additionally, as part of the Platform team, I contributed to building solutions to Role and Permission Management within Hunt Club Atlas, the SaaS version of the relationship engine. Development involved Ruby on Rails, React, ElasticSearch, Docker, Redis, and PostgresQL.

Yello Chicago, IL
Senior Software Engineer June 2020 - Feb 2022
Full-stack development building enterprise SaaS applications using Ruby on Rails and React, with an emphasis on continuous improvement, testability, readability, proper security, and scalability. Involved in the contributing to user interface and the development for Campus Recruiting solutions, and Event Management. In addition to designing the architectures for Candidate Data Privacy and Candidate Application Matching for Yello's flagship application, Yello Enterprise.

Software Engineer II	May 2019 - June 2020
Software Engineer I	May 2018 - May 2019
Part Time Software Engineer	Sept 2017 - May 2018
Software Engineer Intern	May 2017 - Aug 2017

Matrix: Center for Digital Humanities & Social Sciences East Lansing, MI
Senior Student Full-stack Developer Aug 2016 - May 2018
Development of Mbira, a platform to build, serve, and manage web-based and native mobile heritage experiences. Additionally responsible for aiding in the creation and maintenance of online digital resources. Development tools include PHP, MySQL, SCSS, JS, and Angular.JS.

Website Development Intern	May 2016 - Aug 2016
Student Full-stack Developer	Dec 2014 - May 2016

Blue Medora Inc. Grand Rapids, MI
Software Engineer Intern May 2015 - Aug 2015
Developed & tested cloud system and performance management packs for VMware vRealize. Worked on adding features to the software responsible for monitoring, reporting, and analyzing large software applications. Additionally helped create management extensions developed in Java, C++, C#, and JRuby.

Personal Projects

Connecting an Android to Homekit Aug 2021 - Present
Home Automation
Using Javascript, I was able to design a plugin that bridges the gap between my Smart TV and HomeKit for the Homebridge software running on a Raspberry Pi 3. This plugin allows for the TV to be seen as a Homekit device and be included in Homekit automation tasks.

Crypto Mining Script Jan 2021 - Present
Home Automation
Through a series of PowerShell scripts, I designed a way for Siri Shortcuts to ssh securely into my Windows PC and execute commands that close open applications, starts the Eth Mining program, and sleeps the monitors.

Embedded Emulation May 2016 - Present
Game System Emulation
By modifying a Playstation 3 controller to also supply power to a Raspberry Pi Zero, it was possible to embed the Pi inside the controller and emulate SNES, NES, Gameboy, and N64 Games, creating a plug and play console.

SpartaHack API May 2016 - May 2018
Content Management Endpoint
Designed as a solution to yearly team turnover and changing developer tool stacks. This api serves as an endpoint for user registration, authentication, and application processing as well as managing content for mobile applications and website regardless of their tool stack.

Audiolyze Aug 2014 - Jan 2020
Music Analytics Website
Using Facebook's Graph API, gathered music data to calculate statistics and design a stacked area chart representing a user's music preferences for data visualization.

Hobbies & Interests

Fitness   Hockey   Piano   Snowboarding

Knowledge

Relevent Courses	Add'l. Frameworks		
Algorithm Engineering	Angular.JS	HTML5/CSS3	●●●●●●●●○○
Comp. Architecture	CakePHP	Ruby on Rails	●●●●●●●●○○
Comp. Organization	React	JavaScript	●●●●●●●○○○
Data Structures & Algorithms		GraphQL	●●●●●●○○○○
Operating Systems		Python	●●●●●●○○○○
Software Design		SCSS	●●●●●●○○○○
	Linguistic Fluency	Ruby	●●●●●○○○○○
	Romanian	PHP	●●●●○○○○○○
	French	C++	●●●○○○○○○○
		SQL	●●●●○○○○○○

University Leadership, Honors, & Activities

Michigan State AutoDrive Sept 2017 - Nov 2018
Team Member
Collaborating with a team of 20 individuals to design and demonstrate a full autonomous driving passenger vehicle in the SAE International AutoDrive Challenge. Involved in the Simultaneous Localization and Mapping aspect of the project.

Spartan Hackers Dec 2014 - Dec 2016
President
Lead an 11-member team responsible for planning inspiring workshops, tech talks, small hackathons, and hackathon trips to encourage the MSU Computer Science community to learn and developoutside of the classroom.

Best Data Visualization
Tactile
WildHacks 2015

Most Socially Innovative
Tactile
WildHacks 2015

Staff Pick, DevPost
Cash Only
Hack the Planet 2015

Top Ten
Web Roast
Boilermake 2015