Cornel Andreev

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Personal Profile

Backend engineer specializing in PHP, Symfony, Drupal, Laravel and enterprise platforms. Experienced in turning complex business requirements into maintainable, well-tested code including RESTful APIs, system integrations, and high-traffic applications. Track record delivering projects across education, healthcare, publishing, and e-commerce, with experience leading teams and mentoring engineers.

Key Technical Skills

Languages	PHP, Shell, JavaScript, TypeScript, Python
OS	MacOS, Linux, Debian based
Frameworks	Symfony, Laravel, Drupal, React, Vue, Hono, Robo, AlpineJs, TailwindCss
Database	MySql/MariaDB, PostgreSQL, Redis
Principles/Patterns	OOP, SOLID, CQRS, DDD, TDD, DRY, Circuit breaking
Tools	Kubernetes, Docker, Vagrant, Composer, Xdebug, iTerm, CircleCI, Jenkins, Atlassian, Postman Bruno, Swagger, DDEV, Composer, GitLab, Github, IntelliJ IDEA, Gulp, Webpack, PHPStan, AWS, Lambda, Cloudflare (Wrangler, D1)
VCS	Git, Mercurial, Svn
Testing	PHPUnit, Behat
Others	Automation, Pattern Lab, Storybook, OOP, XML, CSS, SASS, Acquia, Bash, Platform.sh, Design system, macOs, Stripe

Achievements

- **Product Architecture & System Integration**: Built an extensible, component-based platform for delivering branded websites. Designed backend workflows and APIs for integrating with third-party systems like Salesforce, Strigo, Poweroffice etc. Built payment processing with Stripe, including checkout flows and webhook handling. Developed tax system integration, shipping providers, administrative dashboards, discount engines, and promotional systems. Led complex data migration projects and architecture planning.

- **Testing & Documentation:** Test-driven development with PHPUnit and Behat. Technical documentation for open-source projects (wire.cornel.co). Code reviews and team standards.

- **Legacy System Modernization & Infrastructure**: Successfully upgraded complex enterprise applications where internal teams had struggled. Collaborated with DevOps teams to migrate high-traffic multi-tenant applications to custom Kubernetes solutions, achieving significant cost reductions

- **Technical Leadership & Talent Assessment**: Evaluated and screened senior developers for a top freelance platform, assessing their technical expertise. Led full-stack development teams (PHP/React) by planning feature roadmaps and conducting code reviews

- **Knowledge Sharing & Mentoring**: Published educational content on platform migration strategies reaching hundreds of developers. Mentored client development teams to ensure long-term project sustainability post-delivery.

- **Backend Development Expertise**: Converted business language to OOP code, data importers, multilingual systems, PDF generation, and component-based content architecture. Implemented SSO/OAuth/SAML authentication systems and enterprise search integration (Solr).

Career summary

Eurekos| eurekos.com	*present*
Senior Software Engineer	

- Built and maintained LMS with complex user management, course delivery systems, and progress tracking;
- Designed and implemented RESTful APIs for internal & external consumers;
- Optimized high-traffic applications through efficient queries, caching strategies, queue systems, and background processing;

Cornell University	cornell.edu	*05.2021 – 12.2022*
Senior Software Engineer	

- Migrated 7+ projects from legacy systems to modern framework;
- Provided working solutions for various long standing issues;

Leisurepass Group	leisurepassgroup.com	*09.2019 – 04.2021*
Senior Software Engineer	

- Full accountability for developing the backend for gocity.com;
- Led a backend + React team while ensuring the operational infrastructure(DevOps);

Manifesto	manifesto.co.uk	*10.2018 – 07.2019*
Web Developer - contract	

- Built the new platform for Dundee University using Agile approach and mentored its Development team;
- Automated the deployment process using CircleCI and AWS CodeCommit for www.freeview.co.uk;
- Full accountability for developing the backend of www.kew.org while integrating with Pattern Lab;

GOSH CC	gosh.org	*12.2017 – 08.2018*
Web Developer	

- Devised, developed and deployed an innovative Event Registration(www.my.gosh.org) platform
for the organization to increase participants;
- Maintained platform and supported ongoing projects post-launch;

Web Developer	*05.2017 – 12.2017*

- Migrated CakePHP project to Drupal (www.usadiscoveryprogram.co.uk);
- Devised and developed complex model to deploy graphical PDF generation for cardio data;

Dropsolid	www.dropsolid.com	*05.2016 – 05.2017*
Web Developer	

- Managed full project lifecycle for European Council website (letstalktrade.eu);
- Worked with commerce, custom modules and building websites;
- Ensured the effective and efficient migration of WordPress data, whilst also leading the building of a reporting App using Symfony;

Dennis Publishing	www.dennis.co.uk	*06.2014 – 04.2016*
Web Developer	

- Worked on extending distribution profile with preconfigured content types, workflows, and integrations;
- Oversaw and led the migration of data from custom CMF, ensuring smooth transition and minimum disruption;

Propeople	www.wearepropeople.com	*11.2012 – 06.2014*

Web Developer

- Built custom modules for content workflows and third-party integrations;
- Ensured effective communication with clients, including holding and leading regular online meetings;
- Full accountability for migrating data from custom CMF, further enabling the maintenance of a custom CMF;

Early Career summary

**QA	"Simpals" |** www.simpals.com	*10.2011 – 11.2012*

Creating, Execute and automate testing scenarios

Education

"Free International University of Moldova", Faculty of Informatics and Engineering, Specialty of Computers	*2013*

Certification

Foundation in UX & UCD from Mobile UX London	*2018*
System Thinking	*2022*

Additional information

Languages	English, Russian, Romanian; Basic Portuguese
Driving license	A, B, C & Tractor
Personal interests	Basketball, Break Dance, Hip-hop