

## OBJECTIVE

Architect developer Corporate and Open Source Software

## CONTACT

Noud de Brouwer  
Goirle / Tilburg  
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Netherlands  
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[github.com/noud](https://github.com/noud)

## MOST CURRENT SKILLS

Mobile React.js GraphQL Cloud SaaS Laravel PHP

## WORK EXPERIENCE

### **self study**

Februari 2021 - now

- Dutch police Open Data API sdk.

<https://github.com/noud/politie-open-data-api/blob/master/README.md>

skills: Mobile React.js OpenAPI Laravel PHP and Docker

### **software architect developer**

October 2020 - Februari 2021

BLUEFIELD, Amsterdam

- (small gig) Direct and inspire the current team.

skills: Mobile React.js GraphQL Cloud SaaS Laravel PHP legacy and Docker

### **software architect developer**

October 2020 - December 2020

Databrydge B.V., Waalre / Eindhoven

- (small gig) Direct and validate.

skills: Ubuntu, Ansible, Docker, PostgreSQL, Laravel, API, Twinfield, Kubernetes, Cloud, React.js

### **software architect developer**

June 2020 – June 2020

Smartshore B.V., Utrecht

- (small gig) Distribute Elasticsearch with one node to a cluster.

skills: Kibana, Elasticsearch, ManifoldCF, Postgres, React.js, Vue.js, Docker, Ansible, CentOS, Fedora, Debian, Ubuntu

### **software developer full-stack JavaScript PHP**

August 2019 – Februari 2020

DUODEKA Coöperatie U.A., Tilburg

- Cloud
- Web shop
- Application generator
  - React.js SaaS Laravel (Landlord) or Meteor
    - Applicant tracking system (ATS) with
      - SEO Google Structured Data,
      - MangoPay API,
      - responsive front end,
      - Elasticsearch.
    - Entity-Relationship Diagram (ERD) editor.
    - Key performance indicator (KPI) with APIs
      - Unit4,
      - Twinfield,
      - planning.
    - Full-time equivalent (FTE) capacity planning
      - Dutch healthcare institutions.
    - Legal services.
    - Hour accounting.
- Backlog coding for catering industry.

skills: WooCommerce WordPress, SaaS, SEO, Google Structured data, schema.org, RESTful JSON-LD, OAuth, MangoPay, GraphQL, Laravel Lighthouse, API-First backend Laravel MVC, OOP PHP/MySQL/SQLite PDO, Redis, Elasticsearch, React.js (Native: Capacitor), Materialize, Apollo, MeteorJS, Node.js, MongoDB, Visual Studio Code, Jira, Git, Bitbucket, Docker, Linux

### **software architect developer**

July 2019 – August 2019

pet project, Tilburg

## Live Example Code

Progressive Web App (PWA) mobile app  
Single-page application (SPA) web application / web site  
full stack API-First back end

<https://github.com/noud?tab=repositories&q=gripp>

skills: Cloud AWS Heroku, SaaS, React.js Redux Progressive Web App (PWA) mobile app, Vue Single-page application (SPA) web application / web site, RESTful JSON-LD JSONAPI HAL JSON XML YAML CSV HTML, GraphQL, JSON-RPC, vCard LDAP, API-First backend Symfony MVC, OOP PHP/MySQL/MariaDB/Oracle PDO

### **software developer back end PHP**

March 2018 - June 2019

Webdesign Tilburg, Tilburg

Add additions to existing, and build new, web apps and sites for there clients and also for internal use. The software was developed in Symfony 2, 3 and 4 with EasyAdmin as well as Sonata. Most projects used MySQL and SQLite during PHPUnit tests but also (MS Navision) MSSQL was used. There was a project that authenticated by LDAP some others against a Webservice. And another project that did SSO with SAML2 between sites. The front-end consisted of plain JavaScript or jQuery with Bootstrap with Webpack to bundle the modules. Of course various APIs and libraries were used in the front-end and back-end. Also various projects used various Webservices, APIs with JSON and also XML, mostly conform REST but also JSON-RPC. APIs from Zend 1 intranet servers but also Zoho Corporation applications and Sisow payment system. The source repositories were hosted at Bitbucket and used by Git and we developed in Docker on Ubuntu Linux. We kept packages used up-to-date with Composer for PHP and NPM for JavaScript.

skills: Magento2, Symfony MVC, easyadminbundle, OOP PHP/MySQL/MSSQL PDO, JavaScript - AJAX (jQuery), React.js, Bootstrap, CSS Less, Git Bitbucket, Docker Ubuntu, Eclipse IDE, RESTful JSON-RPC JSON, PHPStorm

### **software developer full-stack PHP**

January 2017 - February 2018

Next Step Media B.V. -- MadOffers B.V., Breda

Maintain and add new additions to there Cash Dating Sites software. The software was a central server in CakePHP on-top a master/slave MariaDB. The web server was a load-balanced setup of 2 servers on CentOS. Over 150

web domains were served by the back-end. The source repository was hosted at GitHub. We had a SCRUM workflow.

skills: CakePHP MVC, OOP PHP/MySQL/MariaDB PDO Memcached, JavaScript - AJAX (jQuery), Bootstrap, CSS Less, Git GitHub Jira, Vagrant CentOS macOS, Eclipse IDE, RESTful JSON

### **software developer back end PHP**

January 2016 - December 2016  
Gemoro, Tilburg

Replace the Drupal backend of the “Afgeprijsd” app with a CakePHP backend for performance reason. Creating a distribution server and a notification server.

skills: CakePHP MVC, OOP PHP/MySQL PDO, JavaScript - AJAX (jQuery), Eclipse IDE, RESTful JSON, Cloud AWS Heroku

### **software developer full-stack PHP**

January 2015 - March 2015  
Cimsolutions B.V., Deventer

Maintain a web program written in Yii, jQuery, and MySQL using Anjuta IDE.

skills: Yii MVC, OOP PHP/MySQL PDO, Anjuta IDE

### **software developer full-stack PHP**

January 2014 - December 2014  
Koninklijke KPN N.V. NETCO IM, Amersfoort

Maintain web programs written in jQuery, PHP, CakePHP. Perl and Python. Developed new web software for kritische porcess indicators (KPI) in CakePHP using Twitter Bootstrap and jQuery, this on-top Oracle obi db. Developed new web software containing a cross-reference of there Pentaho Enterprice Transformation Layer (ETL) using SVGs.

skills: CakePHP MVC, OOP PHP/MySQL/Oracle PDO, JavaScript - AJAX (jQuery), Angular.js, Bootstrap, Perl Python (ksh/sh/bash), Git, Solaris Red Hat, Eclipse IDE

### **software developer full-stack PHP**

April 2012 - December 2013  
NATO SHAPE HQ NCIRC, Mons

NATO Computer Incident Responce Capacity got a malware registration program MISP from the Belgian army and I had to bring the program into

NATO standards. This applies to functionality, auditability and security. The program now RESTful shares malware info attacks done and feeds that to Intrusion Detection System (IDS) Snort. The malware info is shared between NATO, German, Belgian, Dutch and Turkish army and Europe the organisation. Besides attacks done to NATO, the program now also contains and feeds all OSS known vulnerabilities and exploits sponsored by U.S.A. mil and dictates tooling/application layers in use. Setup and use Development, Testing, Acceptance and Production (DTAP) environments.

skills: CakePHP MVC, OOP PHP/MySQL PDO, JavaScript - AJAX (jQuery), REST RESTful, (ksh/sh/bash), Snort, Git GitHub, Apache, Vmware Red Hat Ubuntu, Eclipse IDE

### **software developer full-stack PHP**

January 2012 - March 2012

VVV Province Utrecht, Slidrecht

XML validation modules for SOAP, Web Services and FTP services, and audit. OpenOffice/LibreOffice .doc upload to Drupal node module. JSON file import to taxonomy. Various fixes and front-end work.

skills: Drupal, OOP PHP/MySQL PDO, JavaScript - AJAX (jQuery), Git, LAMP Ubuntu BSD Unix, Eclipse IDE

### **consultant software developer full-stack Java**

January 2011 - December 2011

Freemind, Saint Agathe Berchem / Brussels

Badger: Integrate 4 badge access systems conform Enterprise Service Bus (ESB) between Web Services and FTP using Grails (Groovy), Camel and jQuery with Eclipse, Hudson, Subversion.

skills: Java

### **software developer full-stack C Java**

January 2010 - December 2010

Int C.V., Goirle

Towers of Hanoi app in Android.  
Android SDK and toolchain port to NetBSD Unix.  
Inverter regulator (OutBack XF-80) software in C.

skills: C, Java

### **software developer full-stack Java**

December 2007 - April 2009  
COR FJA BENELUX B.V., den Bosch

Develop Model Driven Architecture (MDA) Java framework to generate Java applications from UML/Rational.

The framework contains SOA/WSDL, XML, Ajax, AspectJ techniques in Java EE and deploy to Jboss/WebSphere/Hibernate using DB2, MySQL or Oracle.

Projects:

ABN-AMRO: Created insurance software with web service connections to BKR and RDW (webSphere/Hibernate/DB2)

Rabobank: Created proof of concept (POC) (WebSphere/Hibernate/Oracle).

(lead) developed administrative module using Spring

LDAP groupware, Bugzilla/Jira, MediaWiki to support development

continuous builds to Suse Linux and AIX using CruiseControl, Ant (parts Maven), CVS, Python, jac1 and Bash. Debian and Suse Linux virtuals using Xen, OpenAFS, RAID1 on BSD. Scrum/agile.

skills: Java

### **consultant software developer full-stack Java**

January 2007 - November 2007

Vodafone Libertel B.V., Maastricht

Java work the phones web site using J2EE, XML, Silverlining, Oracle.

Web services integration in the build-system, SOA/WSDL.

skills: Java

### **developer full-stack Java**

January 2006 - December 2006

REMAIN, Nieuwegein

Eclipse Deployment plugin from IBM pSeries to Unix in Java using EMF, GEF, DTP and WTP.

skills: Java

### **developer full-stack PHP**

January 2005 - December 2005

Tanzu gaming, Eindhoven

Developed various web gamble games.

skills: PHP/MySQL

### **consultant software developer Perl**

January 2005 - December 2005  
Philips CE, Eindhoven

Production Deployment system maintenance using Perl, shell glue on Oracle, CVS repository. Business Engine conversion from SAP to I2.  
Experimental port production and tests environment from on AIX to Fedora Linux.

skills: Perl

**software developer JavaScript**

January 2004 - December 2004  
Accociation Europeenne des Conservatoires, Utrecht

Developed module for MusicWeb courseware project on HyperWave CMS with server-side JavaScript.

skills: JavaScript - AJAX (jQuery)

**software architect developer**

January 2000 - December 2003  
Axxes Media Internetservices, Roosendaal

Internet Service Provider (ISP)

Projects:

web besed CMS, e-hosting, ISP accounts and systems management in PHP

Java Instant Messaging applet on-top XMPP/Jabber server

Whois crawling database with CORBA interface to Goldmine

Pager, UI and Web based SNMP monitoring

Perl/thread based log file analyser

Setting up VPN between it's locations

pick and realize the ISP infrastructure.

Techniques and products used

Unix, \*BSD, CIOS, Interix(Win95 Win2000 and NT), CVS, Bash and csh, lex, yacc, Tcl/Tk, C, C++, CORBA (ORBit v1), Ant, J2SE, J2EE, JSP w/ Jrun, Tomcat, WebSphere, SOAP, Glade, GTK, Perl DBI-DBD, Alzabo, Gedafe, PHP, Pear, MDB, UML, Dia, Alzabo, Schemaview, PostgreSQL, PostGIS, MapServer, MySQL, LDAP, HTML. CSS, DHTML, JavaScript, DOM, XML/XSLT, NFS, HTTP, POP3, IMAP, SMTP, NNTP, IM, DHCP, DNS, PPPd, WAN, VPN, BGP, RIP, IPNAT, ipf, proxy, tunneling, SNMP, Samba, Appletalk.

skills: Hosting, PHP/MySQL

**software architect developer**

January 1994 - December 1999  
KnoT Foundation, Gairle

Internet Service Provider (ISP)

Projects:

Java terminal emulator applet in-front a chat-server

web based groupware

web based ISP accounts and systems management in PHP

pick and realize the ISP infrastructure

Techniques and products used

MacOS, Unix, \*BSD, Bash, Tcl/Tk, C, C++, Java/J2EE, Perl, DBI-DBD, PHP, UML, Dia, PostgreSQL, HTML, CSS, DHTML, JavaScript. DOM, HTTP, POP3, IMAP, SMTP, NNTP, IM, DHCP, DNS, PPPd, WAN, IP-NAT, ipf, proxy, SNMP, Samba, Appletalk

skills: Hosting, PHP/MySQL

### **software developer PHP**

January 1998 - December 1998

EuroBijout, Rotterdam

Webshop for EuroBijout with mastercard acceptance.

skills: PHP/MySQL, HTML, CSS, Apache, Red Hat

### **software engineer**

January 1996 - December 1998

Quercus Corporation, Gouda

Developing a semantic modeling DWH in 4th Dimension, Oracle PL/SQL.

skills: SQL

### **software developer C**

January 1997 - December 1997

Boutell Com Inc, Philadelphia

Build the GD, ANSI C library for the dynamic creation of PNG and JPEG images for NetBSD Unix.

skills: C

### **software developer HTML**

January 1994 - December 1994

Koninklijke KPN N.V., Maastricht

Website for KPN (then PTT), Bussiness Centers.



skills: HTML

**programmer and functional designer**

January 1992 - December 1994

Uitvoering Werknemersverzekeringen UWV, Zeist

Create multi-user administrative software on Apple Macintosh in Xbase.

**programmer**

January 1993 - December 1993

AT Kearney, Amsterdam

Activity Cost based calculation program used at KLM and Heinz.

skills: Excel, 4<sup>th</sup> Dimension

**software engineer**

January 1993 - December 1993

KnoWare, Utrecht

Work flow program.

skills: SMTP POP

**software engineer**

July 1988 - December 1990

WICH, Hilvarenbeek

Apple Macintosh Dealer

Develop multi-user administrative software using 4th Dimension, Omnis and FoxBASE on Apple Macintosh, Microsoft DOS and Windows.

Projects:

Car fleet management

Depreciation of assets

Invoice programs

Xbase blob use for sound recordings from plain old phone line

skills: Pascal, 4GLs 4<sup>th</sup> Dimension Filemaker HyperCard Omnis, C, db Xbase, XFCN (blob manipulation)

**EDUCATION**

September 1983 - June 1988

Bedrijfs Informatie Systemen (BIS), Technische Informatie Systemen (TIS)

Informatica (Level 3A48) Hogere Technische School (HTS) Fontys, Eindhoven

September 1976 - June 1983

Atheneum B (Level 2) Mill Hill College, Gairle

## SKILLS (partly)

Cloud AWS Heroku

SaaS

PaaS

IaaS

HTML5 CSS3 Less

React.js Redux Progressive Web App (PWA) web/mobile app

Apollo

Vue Single-page application (SPA) web application/site

Bootstrap

Angular.js

JavaScript - AJAX (jQuery, Axios)

MeteorJS Node.js

API-First backend Symfony/Laravel MVC (CakePHP Yii)

Lighthouse

GraphQL

REST RESTful JSON-RPC JSON-LD JSONAPI HAL JSON

XML YAML CSV HTM JSON-RPC

vCard LDAP

OOP PHP/MySQL/MariaDB/MSSQL/SQLite/Oracle PDO

Elasticsearch

Memcached Redis

Perl Python (ksh/sh/bash)

C Java

Git GitHub Bitbucket Jira

Hosting Docker Vagrant VMware LAMP Ubuntu Red Hat

CentOS macOS Solaris BSD Unix

Eclipse IDE

## LANGUAGES

Dutch fluent

English fluent

French basic

German basic